

APPENDIX  
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```
15  DEFINE VARIABLE "bcv_groupid"
    TYPE STRING RETAINED
    DEFAULT ""
    END

20  DEFINE VARIABLE "cmd"
    TYPE STRING
    DEFAULT ""
    END

25  DEFINE VARIABLE "Command_Lock"
    TYPE INTEGER RETAINED
    DEFAULT 0
    END

30  DEFINE VARIABLE "PAUSEIO_Lock"
    /* When PAUSEIO_Lock is set, nothing happens except PAUSEIO stuff! */
    TYPE INTEGER RETAINED
    DEFAULT 0
    END

35  DEFINE VARIABLE GROUP "LocEstConf"
    /* This group is important in limiting the LocEstConf 1 pattern to one execution of */
    /* a particular set of commands. */
    TYPE STRING RETAINED
    DEFAULT ""
    END

40  DEFINE VARIABLE "Ignore_CmdPrompt"
    TYPE INTEGER RETAINED
    DEFAULT 0
    END

45  DEFINE VARIABLE GROUP "Routine_Queue"
    /* Routine queue is used whenever possible for logging or any time we are not */
    /* concerned with how soon the command is performed such as with logging. */
    TYPE STRING RETAINED
    DEFAULT ""
    END

50  DEFINE VARIABLE GROUP "Priority_Queue"
    /* Priority queue is for all Remote Copy commands except RC Start and INSTANT SPLIT. */
    TYPE STRING RETAINED
    DEFAULT ""
    END
```

```
60  DEFINE VARIABLE GROUP "Immediate_Queue"
/* Immediate queue is for all RC Start commands only (see RC_Start 1). */
    TYPE STRING RETAINED
    DEFAULT ""
65  END

70  DEFINE VARIABLE GROUP "Flash_Queue"
/* Flash is the highest precedence queue and is reserved for INSTANT SPLIT commands. */
    TYPE STRING RETAINED
    DEFAULT ""
75  END

80  DEFINE VARIABLE GROUP "GroupNode"
    TYPE STRING RETAINED
    DEFAULT ""
END

85  DEFINE VARIABLE "IX_pass"
    TYPE STRING RETAINED
    DEFAULT "amsans pauserrid DONE"
END

90  DEFINE VARIABLE "IX_stop_diskio"
    TYPE STRING RETAINED
    DEFAULT "pauseio"
END

95  DEFINE VARIABLE GROUP "LocEstSent"
    TYPE STRING RETAINED
    DEFAULT ""
END

100 DEFINE VARIABLE GROUP "LocSplitSent"
    TYPE STRING RETAINED
    DEFAULT ""
END

105 DEFINE VARIABLE GROUP "LocVerifyEst"
    TYPE STRING RETAINED
    DEFAULT ""
END

110 DEFINE VARIABLE "LogName"
    TYPE STRING RETAINED
    DEFAULT "RemoteCopy"
END
```

```
110    DEFINE VARIABLE "node"
          TYPE STRING RETAINED
          DEFAULT ""
        END

115    DEFINE VARIABLE GROUP "RC_In_Progress"
          TYPE STRING RETAINED
          DEFAULT ""
        END

120    DEFINE VARIABLE GROUP "RDFSplitSent"
          TYPE STRING RETAINED
          DEFAULT ""
        END

125    DEFINE VARIABLE GROUP "RDF_In_Progress"
          TYPE STRING RETAINED
          DEFAULT ""
        END

130    DEFINE VARIABLE GROUP "RemEstSent"
          TYPE STRING RETAINED
          DEFAULT ""
        END

135    DEFINE VARIABLE GROUP "RemSplitSent"
          TYPE STRING RETAINED
          DEFAULT ""
        END

140    DEFINE VARIABLE GROUP "RemVerifySplit"
          TYPE STRING RETAINED
          DEFAULT ""
        END

145    DEFINE VARIABLE "symm_host"
          TYPE STRING RETAINED
          DEFAULT "symm_nt"
        END

150    DEFINE VARIABLE "x"
          TYPE STRING
          DEFAULT ""
        END

155    DEFINE VARIABLE "y"
          TYPE STRING
          DEFAULT ""
        END
```

END

/\* Patterns for group "Activate\_DB" \*/

160 DEFINE "Activate\_DB" 1  
MESSAGE "MI001: SP-AMS DATABASE <dbname> ACTIVATED BY <some means>."  
/\* --1---\*--2---\*--3---\*--4---\*---5---\*6-\*---7---\*---8--- \*/  
TYPE ANY-SENDER OTHER VARIABLE-LENGTH  
PRIORITY 128  
165 TOKEN KEYWORD 1 "MI001:"  
TOKEN FIXED 2 "SP-AMS"  
TOKEN FIXED 3 "DATABASE"  
TOKEN FIXED 5 "ACTIVATED"  
CREATE GroupNode:"GROUP1"  
170 CREATE GroupNode:"GROUP2"  
CREATE GroupNode:"GROUP3"  
ACTION EVENT-REPORT  
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=Activate\_DB\_1|T  
EXT=\\_MESSAGE\"  
175 END

/\* Patterns for group "CmdPrompt" \*/

180 DEFINE "CmdPrompt" 1  
MESSAGE "internal or external command, operable program or batch file."  
TYPE ANY-SENDER OTHER  
PRIORITY 128  
TOKEN KEYWORD 1 "INTERNAL"  
TOKEN FIXED 3 "EXTERNAL"  
185 TOKEN FIXED 4 "COMMAND,"  
TOKEN FIXED 5 "OPERABLE"  
CONSTRAINT \_HOSTID = "\symm\_host\"  
SET Ignore\_CmdPrompt = 1  
ACTION EVENT-REPORT  
190 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=CmdPrompt\_1|T  
EXT=\\_IMAGE\"  
END

DEFINE "CmdPrompt" 2

195 /\* The return of the command prompt to the telnet session of the symm NT signals \*/  
/\* the release of the lock on the SYMAPI database file. Queued commands are then \*/  
/\* sent to SYMCLI after setting the SPO Command\_Lock. The SPO lock is freed only \*/  
/\* in this pattern.  
MESSAGE "\?1\:\>"  
200 /\* ---1--- \*/  
TYPE ANY-SENDER OTHER  
PRIORITY 128  
TOKEN MASKED 1 "\?1\:\>"

```
CONRAINT _HOSTID = "\symm_host\"  
205 IF Ignore_CmdPrompt  
    RESET Ignore_CmdPrompt  
ELSE  
    IF !PAUSEIO_Lock  
        IF ?Flash_Queue:_ALL > 0  
210 /* ... then there is at least one command in the queue. */  
/* We use a character that can never show up in a command to separate them so */  
/* when we dump them all out we can extract one in this FIFO mechanism. The */  
/* dump of "Flash_Queue:_ALL" then might look something like this: */  
/* symmir -g GROUP3 verify_ symrdf -g GROUP2 -bcv split_ symmir -g GROUP1 verify_ */  
215 /*  
/* Add an underscore character to the end of the command, remove spaces and */  
/* delete it from the queue: */  
    SET cmd = "\Flash_Queue:_ALL {} -1\"  
    IF \cmd[1,2]\ = " "  
220     SET cmd = "\cmd \" -1\"  
ENDIF  
    SET x = "\cmd\_"  
    DESTROY Flash_Queue:x  
    ACTION COMMAND "\cmd\"  
225 ELSEIF ?Immediate_Queue:_ALL > 0  
    SET cmd = "\Immediate_Queue:_ALL {} -1\"  
    IF \cmd[1,2]\ = " "  
        SET cmd = "\cmd \" -1\"  
    ENDIF  
    SET x = "\cmd\_"  
    DESTROY Immediate_Queue:x  
    ACTION COMMAND "\cmd\"  
ELSEIF ?Priority_Queue:_ALL > 0  
230     SET cmd = "\Priority_Queue:_ALL {} -1\"  
    IF \cmd[1,2]\ = " "  
        SET cmd = "\cmd \" -1\"  
    ENDIF  
    SET x = "\cmd\_"  
    DESTROY Priority_Queue:x  
    ACTION COMMAND "\cmd\"  
240 ELSEIF ?Routine_Queue:_ALL > 0  
    SET cmd = "\Routine_Queue:_ALL {} -1\"  
    IF \cmd[1,2]\ = " "  
        SET cmd = "\cmd \" -1\"  
    ENDIF  
    SET x = "\cmd\_"  
    DESTROY Routine_Queue:x  
    ACTION COMMAND "\cmd\"  
ELSE  
245 /* Nothing on any of the queues to do, free the lock (we free it only in this pattern and not */  
/* after message "internal or external command, operable program or batch file."): */
```

```
        RESET Command_Lock
        ENDIF
        ELSE
255      RESET Command_Lock
        ENDIF
        ENDIF
        ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=CmdPrompt_2|T
260 EXT=_IMAGE[1,2]\|\>"
        END

/* Patterns for group "ExecuteCmd" */

265 DEFINE "ExecuteCmd" 1
/* This pattern is used to control execution of commands from outside such as from the
console or for timed commands. */
/* Check the Command_Lock and perform the command if free, or place the command on
the <precedence>_Queue if not: */
270 MESSAGE "\*30\PROCESS <precedence> COMMAND: <command string>""
/*     --1--*--2---*--3---*---4--- */
        TYPE ANY-SENDER OTHER VARIABLE-LENGTH
        PRIORITY 128
        TOKEN MASKED 1 "\*30\PROCESS"
275 TOKEN KEYWORD 3 "COMMAND:"
        SET cmd = "\_MESSAGE" " " 4\
        SET x = "\cmd\_"
        IF _TOKEN2 = "FLASH"
            CREATE Flash_Queue:x
280 ELSEIF _TOKEN2 = "IMMEDIATE"
            CREATE Immediate_Queue:x
        ELSEIF _TOKEN2 = "PRIORITY"
            CREATE Priority_Queue:x
        ELSEIF _TOKEN2 = "ROUTINE"
            CREATE Routine_Queue:x
285 ENDIF
        IF !Command_Lock & !PAUSEIO_Lock
            IF ?Flash_Queue:_ALL > 0
                SET cmd = "\Flash_Queue:_ALL {} -1\
290             IF \cmd[1,2]\ = "
                    SET cmd = "\cmd" " " -1\
                ENDIF
                SET x = "\cmd\_"
                DESTROY Flash_Queue:x
                SET Command_Lock = 1
                ACTION COMMAND "\cmd\
295             ELSEIF ?Immediate_Queue:_ALL > 0
                SET cmd = "\Immediate_Queue:_ALL {} -1\
                IF \cmd[1,2]\ = "

```

```
300      SET cmd = "\cmd \" -1\""
ENDIF
SET x = "\cmd\_"
DESTROY Immediate_Queue:x
SET Command_Lock = 1
305      ACTION COMMAND "\cmd\
ELSEIF ?Priority_Queue:_ALL > 0
SET cmd = "\Priority_Queue:_ALL {} -1\""
IF \cmd[1,2]\ = "
    SET cmd = "\cmd \" -1\""
310      ENDIF
SET x = "\cmd\_"
DESTROY Priority_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\
315      ELSEIF ?Routine_Queue:_ALL > 0
SET cmd = "\Routine_Queue:_ALL {} -1\""
IF \cmd[1,2]\ = "
    SET cmd = "\cmd \" -1\""
ENDIF
320      SET x = "\cmd\_"
DESTROY Routine_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\
ENDIF
325      ENDIF
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=ExecuteCmd_1|T
EXT=_MESSAGE"
END
330      /* Patterns for group "RC_Start" */

DEFINE "RC_Start" 1
MESSAGE "START REMOTE COPY DISKGROUP <bcv_groupid> NODE <node>"
335      /* --1--*--2--*--3--*--4--*--5--*--6--*--7-- */
TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN KEYWORD 2 "REMOTE"
TOKEN FIXED 4 "DISKGROUP"
340      TOKEN FIXED 3 "COPY"
TOKEN FIXED 6 "NODE"
CONSTRAINT _HOSTID = "\symm_host\
SET bcv_groupid = _TOKEN5
SET node = _TOKEN7
345      SET x = "bcv_groupid\NODE\
IF ?GroupNode:x
    SET RC_In_Progress:bcv_groupid = "\_IMAGE {} -1\""
```

```
CREATE RemVerifySplit:bcv_groupid
SET x = "\bcv_groupid\""
350  CREATE RemVerifySplit:x
SET cmd = "symmir -g \bcv_groupid\ -rdf -bcv -split verify"
SET x = "\cmd\ "
/* ... add an underscore character to the end of the command and place it on the queue: */
CREATE Immediate_Queue:x
355  IF !Command_Lock & !PAUSEIO_Lock
    IF ?Flash_Queue:_ALL > 0
        SET cmd = "\Flash_Queue:_ALL {} -1\""
        IF \cmd[1,2]\ = " "
            SET cmd = "\cmd \" -1\""
360  ENDIF
    SET x = "\cmd\ "
    DESTROY Flash_Queue:x
    SET Command_Lock = 1
    ACTION COMMAND "\cmd\"
365  ELSEIF ?Immediate_Queue:_ALL > 0
    SET cmd = "\Immediate_Queue:_ALL {} -1\""
    IF \cmd[1,2]\ = " "
        SET cmd = "\cmd \" -1\""
    ENDIF
370  SET x = "\cmd\ "
    DESTROY Immediate_Queue:x
    SET Command_Lock = 1
    ACTION COMMAND "\cmd\"
375  ELSEIF ?Priority_Queue:_ALL > 0
    SET cmd = "\Priority_Queue:_ALL {} -1\""
    IF \cmd[1,2]\ = " "
        SET cmd = "\cmd \" -1\""
    ENDIF
380  SET x = "\cmd\ "
    DESTROY Priority_Queue:x
    SET Command_Lock = 1
    ACTION COMMAND "\cmd\"
ELSEIF ?Routine_Queue:_ALL > 0
    SET cmd = "\Routine_Queue:_ALL {} -1\""
385  IF \cmd[1,2]\ = " "
        SET cmd = "\cmd \" -1\""
    ENDIF
    SET x = "\cmd\ "
    DESTROY Routine_Queue:x
    SET Command_Lock = 1
390  ACTION COMMAND "\cmd\"
ENDIF
ENDIF
ELSE
395  ACTION EVENT-REPORT \
```

350 355 360 365 370 375 380 385 390 395

400 "TYPE=AL|CLASS=Host|INSTANCE=\\_IMAGE {} -  
1\|APPL=RemoteCopy|SEV=major|ALARMD=RC\_Invalid\_Diskgroup|" \  
"ALARMQUAL=\bcv\_groupid\.\\_IMAGE {} -1\.\\_DT {}"  
2\|HELP=RemoteCopy/RC\_Invalid\_Diskgroup|TEXT=Remote Copy failed for "\ \  
"diskgroup \bcv\_groupid\ on host \\_IMAGE {} -1\. Invalid diskgroup nodename  
combination!"  
ACTION EVENT-REPORT "TYPE=CO|CLASS=2200\_Host|INSTANCE=\\_IMAGE {} -  
1\|COMMAND=REMOTE COPY FAILED \\_IMAGE {} -3\"  
ENDIF  
405 ACTION EVENT-REPORT  
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RC\_Start\_1|TEX  
T=\\_MESSAGE"  
END  
410 /\* Patterns for group "RemNotSplit" \*/  
  
415 DEFINE "RemNotSplit" 1  
MESSAGE "Not all devices in group '<diskgroup>' are in the 'Split' state."  
/\* -1-\* -2-\* ---3---\*4-\* --5--\* -----6-----\* -7-\*8-\* -9-\* --10---\* --11-- \*/  
TYPE ANY-SENDER OTHER  
PRIORITY 128  
TOKEN KEYWORD 1 "NOT"  
TOKEN FIXED 3 "DEVICES"  
TOKEN FIXED 4 "IN"  
420 TOKEN FIXED 5 "GROUP"  
TOKEN FIXED 9 "THE"  
TOKEN FIXED 10 "SPLIT"  
CONSTRAINT \_HOSTID = "\symm\_host\"  
CONSTRAINT ?RemVerifySplit:\_TOKEN6  
425 SET bcv\_groupid = "\\_TOKEN6 {} 1"  
ACTION EVENT-REPORT  
"TYPE=AC|CLASS=\bcv\_groupid\\_R2|INSTANCE=\bcv\_groupid\|Status=red|Message=\\_ME  
SSAGE\"  
ACTION EVENT-REPORT  
430 "TYPE=AC|CLASS=\bcv\_groupid\\_RL|INSTANCE=\bcv\_groupid\|Status=red|Message=\\_ME  
SSAGE\"  
ACTION EVENT-REPORT  
"TYPE=AC|CLASS=\bcv\_groupid\\_RBCV|INSTANCE=\bcv\_groupid\|Status=red|Message=\\_ME  
SSAGE\"  
435 SET x = RC\_In\_Progress:bcv\_groupid  
ACTION EVENT-REPORT  
"TYPE=CO|CLASS=2200\_Host|INSTANCE=\x\|COMMAND=REMOTE COPY FAILED  
\bcv\_groupid\"  
ACTION COMMAND "CLEAN UP \bcv\_groupid\ FAIL"  
440 ACTION EVENT-REPORT \  
"TYPE=AL|CLASS=Host|INSTANCE=\x\|APPL=RemoteCopy|SEV=major|ALARMD=RC\_Re  
mNotSplit|HELP=RemoteCopy/RC\_RemNotSplit|" \  
9

445        "ALARMQUAL=\bcv\_groupid.\x.\\_DT { } 2\|TEXT=Remote Copy failed for diskgroup  
  \bcv\_groupid\ on host \x\. Remote BCV not" \  
        " split!"  
        ACTION EVENT-REPORT  
      "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RemNotSplit\_1|T  
      EXT=\\_MESSAGE\"  
    END  
  
450  
455        DEFINE "RemNotSplit" 2  
         MESSAGE "None of the devices in group '<diskgroup>' are in the 'Split' state."  
         /\* -1--\*2-\*3-\*---4---\*5-\*--6--\*-----7-----\*-8-\*9-\*10-\*--11---\*--12-- \*/  
        TYPE ANY-SENDER OTHER  
        PRIORITY 128  
        TOKEN KEYWORD 1 "NONE"  
        TOKEN FIXED 3 "THE"  
        TOKEN FIXED 4 "DEVICES"  
460        TOKEN FIXED 6 "GROUP"  
        TOKEN FIXED 11 "SPLIT"  
        TOKEN FIXED 12 "STATE."  
        CONSTRAINT \_HOSTID = "\symm\_host\"  
        CONSTRAINT ?RemVerifySplit:\_TOKEN7  
        SET bcv\_groupid = "\\_TOKEN7 {} 1"\n  
        ACTION EVENT-REPORT  
      "TYPE=AC|CLASS=\bcv\_groupid\\_R2|INSTANCE=\bcv\_groupid\|Status=red|Message=\\_ME  
      SSAGE\"  
470        ACTION EVENT-REPORT  
      "TYPE=AC|CLASS=\bcv\_groupid\\_RL|INSTANCE=\bcv\_groupid\|Status=red|Message=\\_ME  
      SSAGE\"  
        ACTION EVENT-REPORT  
      "TYPE=AC|CLASS=\bcv\_groupid\\_RBCV|INSTANCE=\bcv\_groupid\|Status=red|Message=\\_  
      MESSAGE"  
475        SET x = RC\_In\_Progress:\bcv\_groupid  
        ACTION EVENT-REPORT  
      "TYPE=CO|CLASS=2200\_Host|INSTANCE=\x\|COMMAND=REMOTE COPY FAILED  
      \bcv\_groupid\"  
        ACTION COMMAND "CHECK VARS"  
480        ACTION COMMAND "CLEAN UP \bcv\_groupid\ FAIL"  
        ACTION EVENT-REPORT \  
  
485        "TYPE=AL|CLASS=Host|INSTANCE=\x\|APPL=RemoteCopy|SEV=major|ALARMID=RC\_Re  
      mNotSplit|HELP=RemoteCopy/RC\_RemNotSplit|" \  
        "ALARMQUAL=\bcv\_groupid.\x.\\_DT { } 2\|TEXT=Remote Copy failed for diskgroup  
      \bcv\_groupid\ on host \x\. Remote BCV not" \  
        " split!"  
        ACTION EVENT-REPORT  
      "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RemNotSplit\_2|T  
      EXT=\\_MESSAGE\"  
    END

/\* Patterns for group "RemSplitConf" \*/

495 DEFINE "RemSplitConf" 1  
MESSAGE "All devices in group '<bcv\_groupid>' are in the 'Split' state."  
/\* -1-\*---2---\*3-\*---4-\*-----5-----\*6-\*7-\*8-\*---9---\*---10-- \*/  
TYPE ANY-SENDER OTHER  
PRIORITY 128

500 TOKEN KEYWORD 1 "ALL"  
TOKEN FIXED 3 "IN"  
TOKEN FIXED 4 "GROUP"  
TOKEN FIXED 8 "THE"  
CONSTRAINT \_HOSTID = "\symm\_host"\

505 CONSTRAINT ?RemVerifySplit:\_TOKEN5  
DESTROY RemVerifySplit:\_TOKEN5  
SET bcv\_groupid = "\\_TOKEN5 {} 1\"  
ACTION EVENT-REPORT  
"TYPE=AC|CLASS=\bcv\_groupid\\_R2|INSTANCE=\bcv\_groupid\|Status=yellow|Message=\\_MESSAGE"\  
ACTION EVENT-REPORT  
"TYPE=AC|CLASS=\bcv\_groupid\\_RL|INSTANCE=\bcv\_groupid\|Status=yellow|Message=\\_MESSAGE"\  
ACTION EVENT-REPORT  
"TYPE=AC|CLASS=\bcv\_groupid\\_RBCV|INSTANCE=\bcv\_groupid\|Status=yellow|Message=\\_MESSAGE"\  
DESTROY RemVerifySplit:bcv\_groupid  
CREATE LocVerifyEst:\_TOKEN5  
CREATE LocVerifyEst:bcv\_groupid  
ACTION EVENT-REPORT \  
"TYPE=CO|CLASS=2200\_Host|INSTANCE=\RC\_In\_Progress:bcv\_groupid\|COMMAND=RC  
LAST = Remote\_Split\_Confirmed\_\bcv\_groupid\"  
/\* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message  
containing the command: \*/  
ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symmir -g  
\bcv\_groupid\ verify"  
ACTION EVENT-REPORT  
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RemSplitConf\_1|  
TEXT=\\_MESSAGE"\  
END

/\* Patterns for group "LocNotEst" \*/

535 DEFINE "LocNotEst" 1  
MESSAGE "Not all devices in group '<diskgroup>' are in the 'Synchronized or Restored'  
state."  
/\* -1-\*---2---\*3---\*4-\*---5-\*-----6-----\*7-\*8-\*---9---\*---10---\*11\*---12---\*---13-- \*/  
TYPE ANY-SENDER OTHER

540 PRIORITY 128  
TOKEN KEYWORD 1 "NOT"  
TOKEN FIXED 3 "DEVICES"  
TOKEN FIXED 5 "GROUP"  
TOKEN FIXED 10 "SYNCHRONIZED"  
545 TOKEN FIXED 13 "STATE."  
CONSTRAINT \_HOSTID = "\symm\_host\"  
CONSTRAINT ?LocVerifyEst:\_TOKEN6  
SET bcv\_groupid = "\\_TOKEN6 {} 1\"  
ACTION EVENT-REPORT  
550 "TYPE=AC|CLASS=\bcv\_groupid\\_M2|INSTANCE=\bcv\_groupid\|Status=red|Message=\\_MESSAGE\"  
ACTION EVENT-REPORT  
"TYPE=AC|CLASS=\bcv\_groupid\\_LL|INSTANCE=\bcv\_groupid\|Status=red|Message=\\_MESSAGE\"  
555 ACTION EVENT-REPORT  
"TYPE=AC|CLASS=\bcv\_groupid\\_LBCV|INSTANCE=\bcv\_groupid\|Status=red|Message=\\_MESSAGE\"  
SET x = RC\_In\_Progress:\bcv\_groupid  
ACTION EVENT-REPORT  
560 "TYPE=CO|CLASS=2200\_Host|INSTANCE=\x\|COMMAND=REMOTE COPY FAILED  
\bcv\_groupid\"  
ACTION COMMAND "CHECK VARS"  
ACTION COMMAND "CLEAN UP \bcv\_groupid\ FAIL"  
ACTION EVENT-REPORT \  
565 "TYPE=AL|CLASS=Host|INSTANCE=\x\|APPL=RemoteCopy|SEV=major|ALARMID=RC\_Lo  
cNotEst|ALARMQUAL=\bcv\_groupid.\x.\\_DT {} 2\" \  
"HELP=RemoteCopy/RC\_LocNotEst|TEXT=Remote Copy failed for diskgroup  
\bcv\_groupid\ on host \x\. Local BCV not " \  
"synchronized!"  
ACTION EVENT-REPORT  
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocNotEst\_1|TE  
XT=\\_MESSAGE\"  
END  
575 DEFINE "LocNotEst" 2  
MESSAGE "None of the devices in group '<diskgroup>' are in the 'Synchronized or  
Restored' state."  
/\* -1--\*2--3---4---5---6---7-----8---9---10---11---12---13---14-- \*/  
580 TYPE ANY-SENDER OTHER  
PRIORITY 128  
TOKEN KEYWORD 1 "NONE"  
TOKEN FIXED 3 "THE"  
TOKEN FIXED 4 "DEVICES"  
585 TOKEN FIXED 11 "SYNCHRONIZED"  
TOKEN FIXED 13 "RESTORED"  
CONSTRAINT \_HOSTID = "\symm\_host\"

```
CONRAINT ?LocVerifyEst:_TOKEN7
SET bcv_groupid = "\_TOKEN7 {} 1"
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_M2|INSTANCE=\bcv_groupid\|Status=red|Message=\_M
ESSAGE"
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_LL|INSTANCE=\bcv_groupid\|Status=red|Message=\_ME
SSAGE"
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_LBCV|INSTANCE=\bcv_groupid\|Status=red|Message=\_
MESSAGE"
SET x = RC_In_Progress:bcv_groupid
ACTION EVENT-REPORT
"TYPE=CO|CLASS=2200_Host|INSTANCE=\x\|COMMAND=REMOTE COPY FAILED
\bcv_groupid"
ACTION COMMAND "CHECK VARS"
ACTION COMMAND "CLEAN UP \bcv_groupid\ FAIL"
ACTION EVENT-REPORT \
"TYPE=AL|CLASS=Host|INSTANCE=\x\|APPL=RemoteCopy|SEV=major|ALARMID=RC_Lo
cNotEst|ALARMQUAL=\bcv_groupid\.\x\.\_DT {} 2\"
"HELP=RemoteCopy/RC_LocNotEst|TEXT=Remote Copy failed for diskgroup
\bcv_groupid\ on host \x\. Local BCV not "
"synchonized!"
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocNotEst_2|TE
XT=\_MESSAGE"
END

/* Patterns for group "LocEstConf" */

DEFINE "LocEstConf" 1
MESSAGE "All devices in group '<bcv_groupid>' are in the 'Synchronized or Restored'
state."
/* -1---2---*3-*4-----5-----*6-*7-*8-----9-----*10---11---*--12-- */
TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN KEYWORD 2 "DEVICES"
TOKEN FIXED 9 "SYNCHRONIZED"
TOKEN FIXED 11 "RESTORED"
CONSTRAINT _HOSTID = "\symm_host"
CONSTRAINT ?LocVerifyEst:_TOKEN5
SET bcv_groupid = "\_TOKEN5 {} 1\
IF !?LocEstConf:bcv_groupid
/* This path means we got here for the first time. */
ACTION EVENT-REPORT \
```

```
635 "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
LAST = Local_Establish_Confirmed_\bcv_groupid\
      ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_M2|INSTANCE=\bcv_groupid\|Status=green|Message=\_
MESSAGE"
640 ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_LL|INSTANCE=\bcv_groupid\|Status=green|Message=\_
MESSAGE"
      ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_LBCV|INSTANCE=\bcv_groupid\|Status=green|Message =
\MESSAGE"
645 CREATE LocEstConf:bcv_groupid
ENDIF
IF ?RDF_In_Progress:_ALL = 0 & !Command_Lock & !PAUSEIO_Lock
/* Then there are no RDF establish commands processing...okay to do the PAUSEIO: */
650 DESTROY LocEstConf:bcv_groupid
SET PAUSEIO_Lock = 1
DESTROY LocVerifyEst:_TOKEN5
DESTROY LocVerifyEst:bcv_groupid
SET y = "\RC_In_Progress:bcv_groupid\
655 ACTION EVENT-REPORT
"TYPE=CO|CLASS=2200_Host|INSTANCE=\y\|COMMAND=\IX_stop_diskio\
ELSE
/* We have to wait to issue the PAUSEIO since there is an RDF establish in progress. */
/* We just sent this message (image) in so it can match again. */
660 ACTION COMMAND WAIT 1 SECONDS "\_IMAGE"
ENDIF
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocEstConf_1|T
EXT=\MESSAGE"
665 END

/* Patterns for group "LocSplitSent" */

670 DEFINE "LocSplitSent" 1
MESSAGE "\*30\CREATE LocSplitSent <bcv_groupid> <local split command>"*
/* -----1-----2-----3----- */
TYPE ANY-SENDER OTHER var
PRIORITY 128
TOKEN KEYWORD 2 "LOCSPLITSENT"
TOKEN MASKED 1 "\*30\CREATE"
675 CREATE LocSplitSent:_TOKEN3
SET x = "\_TOKEN3\
CREATE LocSplitSent:x
SET bcv_groupid = "\_TOKEN3\
SET cmd = "\_MESSAGE " "4\
680 SET cmd = "\_MESSAGE "
```

```
/* This is a SPLIT command during the PAUSEIO critical period--make it Flash precedence.  
*/  
SET x = "\cmd\"  
/* ... add an underscore character to the end of the command and place it on the queue: */  
685 CREATE Flash_Queue:x  
/* This pattern does not require a test of the locks since we cannot get here unless the */  
/* PAUSEIO_Lock is set and the Command_Lock doesn't matter since we must have control  
in */  
/* this situation. */  
690 IF ?Flash_Queue:_ALL > 0  
    SET cmd = "\Flash_Queue:_ALL {} -1\"  
    IF \cmd[1,2]\ = " "  
        SET cmd = "\cmd \" -1\"  
    ENDIF  
695    SET x = "\cmd\"  
    DESTROY Flash_Queue:x  
    SET Command_Lock = 1  
    ACTION COMMAND "\cmd\"  
ELSEIF ?Immediate_Queue:_ALL > 0  
700    SET cmd = "\Immediate_Queue:_ALL {} -1\"  
    IF \cmd[1,2]\ = " "  
        SET cmd = "\cmd \" -1\"  
    ENDIF  
705    SET x = "\cmd\"  
    DESTROY Immediate_Queue:x  
    SET Command_Lock = 1  
    ACTION COMMAND "\cmd\"  
ELSEIF ?Priority_Queue:_ALL > 0  
710    SET cmd = "\Priority_Queue:_ALL {} -1\"  
    IF \cmd[1,2]\ = " "  
        SET cmd = "\cmd \" -1\"  
    ENDIF  
    SET x = "\cmd\"  
    DESTROY Priority_Queue:x  
715    SET Command_Lock = 1  
    ACTION COMMAND "\cmd\"  
ELSEIF ?Routine_Queue:_ALL > 0  
    SET cmd = "\Routine_Queue:_ALL {} -1\"  
    IF \cmd[1,2]\ = " "  
720        SET cmd = "\cmd \" -1\"  
    ENDIF  
    SET x = "\cmd\"  
    DESTROY Routine_Queue:x  
    SET Command_Lock = 1  
725    ACTION COMMAND "\cmd\"  
ENDIF  
ACTION EVENT-REPORT  
"TYPE=DE|CLASS=\bcv_groupid\LL|INSTANCE=\bcv_groupid\"
```

730 ACTION WAIT 1 SECONDS EVENT-REPORT \  
"TYPE=AC|CLASS=\bcv\_groupid\\_\\_LL|INSTANCE=\bcv\_groupid\|Status=yellow|Message=\\_MESSAGE\"  
ACTION EVENT-REPORT  
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocSplitSent\_1|T  
735 EXT=\\_MESSAGE\"  
END  
  
/\* Patterns for group "ResumeIO" \*/  
  
740 DEFINE "ResumeIO" 1  
MESSAGE "symmir <\bcv\_groupid> CLI\_C\_SPLIT CLI\_C\_SUCCESS \"CLI call completed  
successfully.\""  
/\* --1---\*-----2-----\*-----3-----\*-----4-----\*-----5-----\*-----6-----\*-----7-----\*-----8----- \*/  
TYPE ANY-SENDER OTHER  
745 PRIORITY 128  
TOKEN KEYWORD 1 "SYMMIR"  
TOKEN FIXED 3 "CLI\_C\_SPLIT"  
TOKEN FIXED 4 "CLI\_C\_SUCCESS"  
TOKEN FIXED 5 "\"CLI\""  
750 TOKEN FIXED 8 "SUCCESSFULLY.\""  
CONSTRAINT \_HOSTID = "\symm\_host"  
CONSTRAINT ?LocSplitSent:\_TOKEN2  
RESET PAUSEIO\_Lock  
ACTION EVENT-REPORT "TYPE=DE|CLASS=\\_TOKEN2\\_\\_LL|INSTANCE=\\_TOKEN2\|Status=yellow|Message=\\_MES  
755 SAGE\"  
SET x = "\RC\_In\_Progress:\_TOKEN2\"  
ACTION EVENT-REPORT  
"TYPE=CO|CLASS=2200\_Host|INSTANCE=\x\|COMMAND=\IX\_pass\"  
SET cmd = "symmir -g \\_TOKEN2\ -split verify"  
SET x = "\cmd\\_"  
/\* ... add an underscore character to the end of the command and place it on the queue: \*/  
CREATE Priority\_Queue:x  
760 IF !Command\_Lock & !PAUSEIO\_Lock  
IF ?Flash\_Queue:\_ALL > 0  
SET cmd = "\Flash\_Queue:\_ALL {\} -1\"  
IF \cmd[1,2]\ = " "  
SET cmd = "\cmd " " -1\"  
765 ENDIF  
SET x = "\cmd\\_"  
DESTROY Flash\_Queue:x  
SET Command\_Lock = 1  
ACTION COMMAND "\cmd\"  
770 ELSEIF ?Immediate\_Queue:\_ALL > 0  
SET cmd = "\Immediate\_Queue:\_ALL {\} -1\"

```
IF \cmd[1,2]\ = " "
SET cmd = "\cmd \" -1\
ENDIF
SET x = "\cmd\_"
DESTROY Immediate_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\"
ELSEIF ?Priority_Queue:_ALL > 0
SET cmd = "\Priority_Queue:_ALL {} -1\
IF \cmd[1,2]\ = " "
SET cmd = "\cmd \" -1\
ENDIF
SET x = "\cmd\_"
DESTROY Priority_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\"
ELSEIF ?Routine_Queue:_ALL > 0
SET cmd = "\Routine_Queue:_ALL {} -1\
IF \cmd[1,2]\ = " "
SET cmd = "\cmd \" -1\
ENDIF
SET x = "\cmd\_"
DESTROY Routine_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\"
ENDIF
ENDIF
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=ResumeIO_1|TE
XT=\_MESSAGE"
END

/* Patterns for group "LocSplitSent" */
810
DEFINE "LocSplitSent" 2
MESSAGE "symmir <bcv_groupid> CLI_C_VERIFY CLI_C_NONE_SPLIT \"NONE of the
mirrored pairs are in the 'Split' state.\"
/*      --1---*---2---*---3---*---4---*---5---*6---*7---*8---*---9---*10---*11---*12---*---13---
815 *---14--- */
TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN KEYWORD 3 "CLI_C_VERIFY"
TOKEN FIXED 4 "CLI_C_NONE_SPLIT"
TOKEN FIXED 5 "\"NONE"
TOKEN FIXED 13 "\"SPLIT"
CONSTRAINT _HOSTID = "\symm_host"
CONSTRAINT ?LocSplitSent:_TOKEN2
ACTION EVENT-REPORT "TYPE=DE|CLASS=_TOKEN2\_LL|INSTANCE=_TOKEN2\"
```

```
825    ACTION WAIT 1 SECONDS EVENT-REPORT
"TYPE=AC|CLASS=\_TOKEN2\_LL|INSTANCE=\_TOKEN2|Status=yellow|Message=\_MESSAGE"
    SET cmd = "symmir -g \_TOKEN2\ -split verify"
    SET x = "\cmd\_\"
830    /* ... add an underscore character to the end of the command and place it on the queue: */
    CREATE Priority_Queue:x
    IF !Command_Lock & !PAUSEIO_Lock
        IF ?Flash_Queue:_ALL > 0
            SET cmd = "\Flash_Queue:_ALL {} -1\
835        IF \cmd[1,2]\ = " "
            SET cmd = "\cmd " "-1\
        ENDIF
        SET x = "\cmd\_\"
        DESTROY Flash_Queue:x
840        SET Command_Lock = 1
        ACTION COMMAND "\cmd\
ELSEIF ?Immediate_Queue:_ALL > 0
    SET cmd = "\Immediate_Queue:_ALL {} -1\
845    IF \cmd[1,2]\ = " "
        SET cmd = "\cmd " "-1\
    ENDIF
    SET x = "\cmd\_\"
    DESTROY Immediate_Queue:x
    SET Command_Lock = 1
ACTION COMMAND "\cmd\
850 ELSEIF ?Priority_Queue:_ALL > 0
    SET cmd = "\Priority_Queue:_ALL {} -1\
    IF \cmd[1,2]\ = " "
        SET cmd = "\cmd " "-1\
855    ENDIF
    SET x = "\cmd\_\"
    DESTROY Priority_Queue:x
    SET Command_Lock = 1
    ACTION COMMAND "\cmd\
860 ELSEIF ?Routine_Queue:_ALL > 0
    SET cmd = "\Routine_Queue:_ALL {} -1\
    IF \cmd[1,2]\ = " "
        SET cmd = "\cmd " "-1\
865    ENDIF
    SET x = "\cmd\_\"
    DESTROY Routine_Queue:x
    SET Command_Lock = 1
    ACTION COMMAND "\cmd\
ENDIF
870 ENDIF
```

```
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocSplitSent_2|T
EXT=\_MESSAGE\
END
875
DEFINE "LocSplitSent" 3
MESSAGE "symmir <bcv_groupid> CLI_C_VERIFY CLI_C_NOT_ALL_SPLIT \"NOT all of
the mirrored pairs are in the 'Split' state.\"
/* --1---2----3----4-----5--6-7-8-9---10--11-12*13-*-
880 14---*15---*/
TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN KEYWORD 3 "CLI_C_VERIFY"
TOKEN FIXED 4 "CLI_C_NOT_ALL_SPLIT"
885 TOKEN FIXED 5 "\"NOT"
TOKEN FIXED 9 "MIRRORED"
TOKEN FIXED 14 "'SPLIT'"
CONSTRAINT _HOSTID = "\symm_host"
CONSTRAINT ?LocSplitSent:_TOKEN2
890 ACTION EVENT-REPORT "TYPE=DE|CLASS=\_TOKEN2\_LL|INSTANCE=\_TOKEN2\
ACTION WAIT 1 SECONDS EVENT-REPORT
"TYPE=AC|CLASS=\_TOKEN2\_LL|INSTANCE=\_TOKEN2\|Status=yellow|Message=\_MES
SAGE\
SET cmd = "symmir -g \_TOKEN2\ -split verify"
895 SET x = "\cmd\_"
/* ... add an underscore character to the end of the command and place it on the queue: */
CREATE Priority_Queue:x
IF !Command_Lock & !PAUSEIO_Lock
  IF ?Flash_Queue:_ALL > 0
    900   SET cmd = "\Flash_Queue:_ALL {} -1\
    IF \cmd[1,2]\ = " "
      SET cmd = "\cmd " "-1\
    ENDIF
    SET x = "\cmd\_"
905 DESTROY Flash_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\
ELSEIF ?Immediate_Queue:_ALL > 0
  SET cmd = "\Immediate_Queue:_ALL {} -1\
910  IF \cmd[1,2]\ = " "
    SET cmd = "\cmd " "-1\
  ENDIF
  SET x = "\cmd\_"
DESTROY Immediate_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\
915 ELSEIF ?Priority_Queue:_ALL > 0
  SET cmd = "\Priority_Queue:_ALL {} -1\"
```

```
920 IF \cmd[1,2]\ = " "
    SET cmd = "\cmd " "-1\""
ENDIF
SET x = "\cmd\_"
DESTROY Priority_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\"
925 ELSEIF ?Routine_Queue:_ALL > 0
    SET cmd = "?Routine_Queue:_ALL {} -1\""
    IF \cmd[1,2]\ = " "
        SET cmd = "\cmd " "-1\""
    ENDIF
    SET x = "\cmd\_"
    DESTROY Routine_Queue:x
    SET Command_Lock = 1
    ACTION COMMAND "\cmd\"
930 ENDIF
935 ENDIF
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocSplitSent_3|T
EXT=\_MESSAGE\""
940 END

/* Patterns for group "LocSplitConf" */

945 DEFINE "LocSplitConf" 1
MESSAGE "All devices in group '<bcv_groupid>' are in the 'Split' state."
/*      -1---2---*3-*---4---*-----5-----*-6-*7-*8-*---9---*-10-- */
TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN KEYWORD 1 "ALL"
TOKEN FIXED 2 "DEVICES"
TOKEN FIXED 9 "SPLIT"
TOKEN FIXED 10 "STATE."
CONSTRAINT _HOSTID = "\symm_host\""
CONSTRAINT ?LocSplitSent:_TOKEN5
950 DESTROY LocSplitSent:_TOKEN5
SET bcv_groupid = "\_TOKEN5 {} 1\""
ACTION EVENT-REPORT \
955

"TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
LAST = Local_Split_Confirmed_\bcv_groupid\""
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_M2|INSTANCE=\bcv_groupid\|Status=yellow|Message=\_
MESSAGE\""
ACTION EVENT-REPORT
960 "TYPE=AC|CLASS=\bcv_groupid\_LL|INSTANCE=\bcv_groupid\|Status=yellow|Message=\_
MESSAGE\""
```

```
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_\LBCV|INSTANCE=\bcv_groupid\|Status=yellow|Message
=_MESSAGE\""
970 DESTROY LocSplitSent:\bcv_groupid
CREATE RDF_In_Progress:_TOKEN5
CREATE RDF_In_Progress:\bcv_groupid
/* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
containing the command: */
975 ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symrdf -g
\bcv_groupid\ -bcv -noecho -noprompt establish"
ACTION EVENT-REPORT \

"TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:\bcv_groupid\|COMMAND=RC
980 LAST = RDF_Establish_Sent_\bcv_groupid\
ACTION EVENT-REPORT
"TYPE=DE|CLASS=\bcv_groupid\_\RDFL|INSTANCE=\bcv_groupid\
ACTION WAIT 1 SECONDS EVENT-REPORT \

985 "TYPE=AC|CLASS=\bcv_groupid\_\RDFL|INSTANCE=\bcv_groupid\|Status=green|Message
=_MESSAGE\""
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocSplitConf_1|T
EXT=_MESSAGE\""
990 END

/* Patterns for group "RDF_InProg" */

995 DEFINE "RDF_InProg" 1
MESSAGE "symrdf <\bcv_groupid> CLI_C_ESTABLISH CLI_C_SUCCESS \"CLI call
completed successfully.\""
/*     --1--*-----2-----*-----3-----*-----4-----*--5--*--6--*---7---*-----8----- */
TYPE ANY-SENDER OTHER
PRIORITY 128
1000 TOKEN KEYWORD 3 "CLI_C_ESTABLISH"
TOKEN FIXED 4 "CLI_C_SUCCESS"
TOKEN FIXED 5 "\"CLI\""
TOKEN FIXED 8 "SUCCESSFULLY."
CONSTRAINT _HOSTID = "\symm_host"
1005 CONSTRAINT ?RDF_In_Progress:_TOKEN2
SET bcv_groupid = "\_TOKEN2\
ACTION EVENT-REPORT \

"TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:_TOKEN2\|COMMAND=RCL
1010 AST = RDF_Establish_In_Progress_\bcv_groupid\
ACTION EVENT-REPORT
"TYPE=DE|CLASS=\_TOKEN2\_\RDFL|INSTANCE=\_TOKEN2\"
```

```
ACTION WAIT 1 SECONDS EVENT-REPORT
"TYPE=AC|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\Status=green|Message=\_MESSAGE"
1015
SET cmd = "symrdf -g \_TOKEN2\ -bcv verify"
SET x = "\cmd\_\"
/* ... add an underscore character to the end of the command and place it on the queue: */
CREATE Priority_Queue:x
1020
IF !Command_Lock & !PAUSEIO_Lock
IF ?Flash_Queue:_ALL > 0
SET cmd = "\Flash_Queue:_ALL \_\_ -1\""
IF \cmd[1,2]\ = " "
SET cmd = "\cmd \" -1\""
1025
ENDIF
SET x = "\cmd\_\"
DESTROY Flash_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\"
1030
ELSEIF ?Immediate_Queue:_ALL > 0
SET cmd = "\Immediate_Queue:_ALL \_\_ -1\""
IF \cmd[1,2]\ = " "
SET cmd = "\cmd \" -1\""
ENDIF
SET x = "\cmd\_\"
DESTROY Immediate_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\"
1035
ELSEIF ?Priority_Queue:_ALL > 0
SET cmd = "\Priority_Queue:_ALL \_\_ -1\""
IF \cmd[1,2]\ = " "
SET cmd = "\cmd \" -1\""
ENDIF
SET x = "\cmd\_\"
DESTROY Priority_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\"
1040
ELSEIF ?Routine_Queue:_ALL > 0
SET cmd = "\Routine_Queue:_ALL \_\_ -1\""
IF \cmd[1,2]\ = " "
SET cmd = "\cmd \" -1\""
ENDIF
SET x = "\cmd\_\"
DESTROY Routine_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\"
1045
ENDIF
1050
ENDIF
1055
ENDIF
```

1060 ACTION EVENT-REPORT  
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RDF\_InProg\_1|T  
EXT=\\_MESSAGE\"  
END

1065 DEFINE "RDF\_InProg" 2  
MESSAGE \  
"symrdf <bcv\_groupid> CLI\_C\_VERIFY CLI\_C\_NONE\_SYNCHRONIZED \"NONE of the  
mirrored pairs are in the 'Synchronized' \" \  
/\* --1---\*---2---\*---3---\*---4---\*---5---\*6---\*7---\*8---\*9---\*10---\*11---\*12---\*---  
13---\* \*/ \  
1070 "state.\\" \  
/\* ---14--- \*/  
TYPE ANY-SENDER OTHER  
PRIORITY 128  
TOKEN KEYWORD 3 "CLI\_C\_VERIFY"  
1075 TOKEN FIXED 4 "CLI\_C\_NONE\_SYNCHRONIZED"  
TOKEN FIXED 5 "\"NONE"  
TOKEN FIXED 13 "\"SYNCHRONIZED"  
CONSTRAINT \_HOSTID = "\symm\_host"  
CONSTRAINT ?RDF\_In\_Progress:\_TOKEN2  
SET bcv\_groupid = "\\_TOKEN2\"  
ACTION EVENT-REPORT  
"TYPE=DE|CLASS=\\_TOKEN2\\_RDFL|INSTANCE=\\_TOKEN2\"  
ACTION WAIT 1 SECONDS EVENT-REPORT  
"TYPE=AC|CLASS=\\_TOKEN2\\_RDFL|INSTANCE=\\_TOKEN2\|Status=green|Message=\\_M  
ESSAGE\"  
/\* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message  
containing the command: \*/  
ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symrdf -g  
\\_TOKEN2\ -bcv verify"  
1090 ACTION EVENT-REPORT  
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RDF\_InProg\_2|T  
EXT=\\_MESSAGE\"  
END

1095 DEFINE "RDF\_InProg" 3  
MESSAGE \  
"symrdf <bcv\_groupid> CLI\_C\_VERIFY CLI\_C\_NOT\_ALL\_SYNCHRONIZED \"NOT all of  
the mirrored pairs are in the 'Synchronized' \" \  
/\* --1---\*---2---\*---3---\*---4---\*---5---\*6---\*7---\*8---\*9---\*10---\*11---\*12---\*13---\*---  
1100 ---14---\* \*/ \  
" state.\\" \  
/\* ---15--- \*/  
TYPE ANY-SENDER OTHER  
PRIORITY 128  
1105 TOKEN KEYWORD 3 "CLI\_C\_VERIFY"  
TOKEN FIXED 4 "CLI\_C\_NOT\_ALL\_SYNCHRONIZED"

```
TOKEN FIXED 5 "\"NOT"
TOKEN FIXED 14 "SYNCHRONIZED"
CONSTRAINT _HOSTID = "\symm_host"
1110 CONSTRAINT ?RDF_In_Progress:_TOKEN2
SET bcv_groupid = "\_TOKEN2"
ACTION EVENT-REPORT
"TYPE=DE|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\""
ACTION WAIT 1 SECONDS EVENT-REPORT
1115 "TYPE=AC|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\|Status=green|Message=\_M
ESSAGE\""
/* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
containing the command: */
ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symrdf -g
1120 \_TOKEN2\ -bcv verify"
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RDF_InProg_3|T
EXT=\_MESSAGE\""
END
1125
1130 DEFINE "RDF_InProg" 4
MESSAGE \
"SYMRDF <bcv_groupid> CLI_C_ESTABLISH CLI_C_ALREADY_IN_STATE \"The
Device(s) is (are) already in the desired state or mode.\""
TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN KEYWORD 3 "CLI_C_ESTABLISH"
TOKEN FIXED 4 "CLI_C_ALREADY_IN_STATE"
TOKEN FIXED 9 "ALREADY"
1135 TOKEN FIXED 13 "STATE"
CONSTRAINT _HOSTID = "\symm_host"
CONSTRAINT ?RDF_In_Progress:_TOKEN2
SET bcv_groupid = "\_TOKEN2"
ACTION EVENT-REPORT
1140 "TYPE=DE|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\""
ACTION WAIT 1 SECONDS EVENT-REPORT
"TYPE=AC|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\|Status=green|Message=\_M
ESSAGE\""
/* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
containing the command: */
ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symrdf -g
1145 \_TOKEN2\ -bcv verify"
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RDF_InProg_4|T
EXT=\_MESSAGE\""
END

/* Patterns for group "RDF_Est" */
```

```
1155 DEFINE "RDF_Est" 1
MESSAGE "All devices in the RDF group '<bcv_groupid>' are in the 'Synchronized' state."
/* -1-*---2---*3-*4-*5-*6---*-----7-----*8-*9-*10-*-----11-----*--12-- */
TYPE ANY-SENDER OTHER
PRIORITY 128
1160 TOKEN KEYWORD 1 "ALL"
TOKEN FIXED 2 "DEVICES"
TOKEN FIXED 5 "RDF"
TOKEN FIXED 6 "GROUP"
TOKEN FIXED 11 "SYNCHRONIZED"
1165 CONSTRAINT _HOSTID = "\symm_host\""
CONSTRAINT ?RDF_In_Progress:_TOKEN7
DESTROY RDF_In_Progress:_TOKEN7
SET bcv_groupid = "\_TOKEN7 {} 1\""
ACTION EVENT-REPORT \
1170 "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
LAST = RDF_All_Synchronized_\bcv_groupid\
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_LBCV|INSTANCE=\bcv_groupid\|Status=green|Message
=_MESSAGE"
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv_groupid\_RDFL|INSTANCE=\bcv_groupid\|Status=green|Message
=_MESSAGE"
ACTION EVENT-REPORT
1180 "TYPE=AC|CLASS=\bcv_groupid\_R2|INSTANCE=\bcv_groupid\|Status=green|Message=_MESSAGE"
DESTROY RDF_In_Progress:bcv_groupid
CREATE RDFSplitSent:_TOKEN7
CREATE RDFSplitSent:bcv_groupid
1185 /* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
containing the command: */
ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symrdf -g
\bcv_groupid\ -bcv -noprompt -noecho split"
ACTION EVENT-REPORT \
1190 "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC
LAST = RDF_Split_Sent_\bcv_groupid\
ACTION EVENT-REPORT
"TYPE=DE|CLASS=\bcv_groupid\_RDFL|INSTANCE=\bcv_groupid\
1195 ACTION WAIT 1 SECONDS EVENT-REPORT \
"TYPE=AC|CLASS=\bcv_groupid\_RDFL|INSTANCE=\bcv_groupid\|Status=yellow|Message
=_MESSAGE"
ACTION EVENT-REPORT
1200 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RDF_Est_1|TEX
T=_MESSAGE"
END
```

```
/* Patterns for group "RDFSplitSent" */
1205 DEFINE "RDFSplitSent" 1
      MESSAGE "symrdf <bcv_groupid> CLI_C_SPLIT CLI_C_SUCCESS \"CLI call completed
      successfully.\""
      /* -1---2---*---3---*---4---*---5---*---6---*---7---*---8--- */
1210 TYPE ANY-SENDER OTHER
      PRIORITY 128
      TOKEN KEYWORD 3 "CLI_C_SPLIT"
      TOKEN FIXED 4 "CLI_C_SUCCESS"
      TOKEN FIXED 5 "\"CLI"
1215 TOKEN FIXED 8 "SUCCESSFULLY."
      CONSTRAINT _HOSTID = "\syymm_host"
      CONSTRAINT ?RDFSplitSent:_TOKEN2
      SET bcv_groupid = "\_TOKEN2"
      ACTION EVENT-REPORT \
1220 "TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:_TOKEN2|COMMAND=RCL
      AST = RDF_Split_In_Progress_\bcv_groupid"
      ACTION EVENT-REPORT
      "TYPE=DE|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\
1225      ACTION WAIT 1 SECONDS EVENT-REPORT
      "TYPE=AC|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2|Status=yellow|Message=\_
      MESSAGE"
      SET cmd = "symrdf -g \_TOKEN2\ -bcv -failedover verify"
      SET x = "\cmd\_"
1230 /* ... add an underscore character to the end of the command and place it on the queue: */
      CREATE Priority_Queue:x
      IF !Command_Lock & !PAUSEIO_Lock
          IF ?Flash_Queue:_ALL > 0
              SET cmd = "\Flash_Queue:_ALL {} -1"
1235          IF \cmd[1,2] = " "
              SET cmd = "\cmd \" -1"
          ENDIF
          SET x = "\cmd\_"
          DESTROY Flash_Queue:x
1240          SET Command_Lock = 1
          ACTION COMMAND "\cmd\
      ELSEIF ?Immediate_Queue:_ALL > 0
          SET cmd = "\Immediate_Queue:_ALL {} -1"
1245          IF \cmd[1,2] = " "
              SET cmd = "\cmd \" -1"
          ENDIF
          SET x = "\cmd\_"
          DESTROY Immediate_Queue:x
          SET Command_Lock = 1
1250          ACTION COMMAND "\cmd\"
```

```
ELSEIF ?Priority_Queue:_ALL > 0
SET cmd = "\Priority_Queue:_ALL {} -1"
IF \cmd[1,2]\ = " "
SET cmd = "\cmd \" -1\
1255 ENDIF
SET x = "\cmd\_"
DESTROY Priority_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\
1260 ELSEIF ?Routine_Queue:_ALL > 0
SET cmd = "\Routine_Queue:_ALL {} -1"
IF \cmd[1,2]\ = " "
SET cmd = "\cmd \" -1\
1265 ENDIF
SET x = "\cmd\_"
DESTROY Routine_Queue:x
SET Command_Lock = 1
ACTION COMMAND "\cmd\
1270 ENDIF
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RDFSplitSent_1|
TEXT=_MESSAGE\
1275 END
1280 DEFINE "RDFSplitSent" 2
MESSAGE \
"symrdf <bcv_groupid> CLI_C_VERIFY CLI_C_NONE_FAILED_OVER \"NONE of the
mirrored pairs are in the 'Failed Over' \" \
/* --1--*-----2-----*-----3-----*-----4-----*-----5---*6---*7---*8---*---9---*10---*11*12---*---13---*
*-14---*/ \
"state.\\""
/* ---15--- */
1285 TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN KEYWORD 3 "CLI_C_VERIFY"
TOKEN FIXED 4 "CLI_C_NONE_FAILED_OVER"
TOKEN FIXED 5 "\"NONE"
TOKEN FIXED 13 "FAILED"
1290 TOKEN FIXED 14 "OVER"
CONSTRAINT _HOSTID = "\symm_host\
CONSTRAINT ?RDFSplitSent:_TOKEN2
SET bcv_groupid = "\_TOKEN2\
ACTION EVENT-REPORT
1295 "TYPE=DE|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\
ACTION WAIT 1 SECONDS EVENT-REPORT
"TYPE=AC|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\|Status=yellow|Message=_MESSAGE"
```

```
1300 /* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
       containing the command: */
      ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symrdf -g
      \_TOKEN2\ -bcv -failedover verify"
      ACTION EVENT-REPORT
      "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RDFSplitSent_2|
1305 TEXT=\_MESSAGE\""
      END

      DEFINE "RDFSplitSent" 3
      MESSAGE \
1310   "symrdf <bcv_groupid> CLI_C_VERIFY CLI_C_NOT_ALL_FAILED_OVER \"NOT all of
       the mirrored pairs are in the 'Failed Over' \" \
      /* --1---2---*---3---*-----4-----*--5--*6-*7-*8-*---9---*10--*11-*12*13-*--
1315   14---*15-* */ \
      "state.\""
      /* ---16--- */
      TYPE ANY-SENDER OTHER
      PRIORITY 128
      TOKEN KEYWORD 3 "CLI_C_VERIFY"
      TOKEN FIXED 4 "CLI_C_NOT_ALL_FAILED_OVER"
      TOKEN FIXED 5 "\"NOT"
      TOKEN FIXED 9 "MIRRORED"
      TOKEN FIXED 14 "\"FAILED"
      TOKEN FIXED 15 "\"OVER"
      CONSTRAINT _HOSTID = "\symm_host"
      CONSTRAINT ?RDFSplitSent:_TOKEN2
      SET bcv_groupid = "\_TOKEN2\
      ACTION EVENT-REPORT
      "TYPE=DE|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\
      ACTION WAIT 1 SECONDS EVENT-REPORT
      "TYPE=AC|CLASS=\_TOKEN2\_RDFL|INSTANCE=\_TOKEN2\|Status=yellow|Message=\_
1330 MESSAGE\""
      /* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
       containing the command: */
      ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symrdf -g
1335 \_TOKEN2\ -bcv -failedover verify"
      ACTION EVENT-REPORT
      "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RDFSplitSent_3|
TEXT=\_MESSAGE\""
      END

1340 /* Patterns for group "RDFSplitConf" */

      DEFINE "RDFSplitConf" 1
      MESSAGE "All devices in the RDF group '<bcv_groupid>' are in the 'Failed Over' state."
1345 /*     -1---2---*3-*4-*5-*6-*-----7-----*8-*9-*10-*11---*12--*13-- */
      TYPE ANY-SENDER OTHER
```

PRIORITY 128  
TOKEN KEYWORD 1 "ALL"  
TOKEN FIXED 2 "DEVICES"  
TOKEN FIXED 5 "RDF"  
TOKEN FIXED 6 "GROUP"  
TOKEN FIXED 11 "'FAILED'"  
TOKEN FIXED 12 "OVER"  
CONSTRAINT \_HOSTID = "\symm\_host"  
1350 CONSTRAINT ?RDFSPLITSENT:\_TOKEN7  
DESTROY RDFSPLITSENT:\_TOKEN7  
SET bcv\_groupid = "\\_TOKEN7 {} 1\"  
ACTION EVENT-REPORT \  
  
1360 "TYPE=CO|CLASS=2200\_Host|INSTANCE=\RC\_In\_Progress:bcv\_groupid\|COMMAND=RC  
LAST = RDF\_All\_Failed\_Over\_\bcv\_groupid\"  
ACTION EVENT-REPORT  
"TYPE=AC|CLASS=\bcv\_groupid\\_LBCV|INSTANCE=\bcv\_groupid\|Status=yellow|Message  
=\_MESSAGE"\br/>1365 ACTION EVENT-REPORT  
"TYPE=AC|CLASS=\bcv\_groupid\\_RDFL|INSTANCE=\bcv\_groupid\|Status=yellow|Message  
=\_MESSAGE"\br/>ACTION EVENT-REPORT  
"TYPE=AC|CLASS=\bcv\_groupid\\_R2|INSTANCE=\bcv\_groupid\|Status=yellow|Message=\_  
MESSAGE"\br/>1370 DESTROY RDFSPLITSENT:bcv\_groupid  
CREATE LocEstSent:\_TOKEN7  
CREATE LocEstSent:bcv\_groupid  
/\* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message  
containing the command: \*/  
1375 ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symmir -g  
\bcv\_groupid\ -noprompt establish"  
ACTION EVENT-REPORT \  
  
1380 "TYPE=CO|CLASS=2200\_Host|INSTANCE=\RC\_In\_Progress:bcv\_groupid\|COMMAND=RC  
LAST = Local\_BCV\_Establish\_Sent\_\bcv\_groupid\"  
ACTION EVENT-REPORT  
"TYPE=DE|CLASS=\bcv\_groupid\\_LL|INSTANCE=\bcv\_groupid\"  
ACTION WAIT 1 SECONDS EVENT-REPORT \  
  
1385 "TYPE=AC|CLASS=\bcv\_groupid\\_LL|INSTANCE=\bcv\_groupid\|Status=green|Message=\_  
MESSAGE"\br/>ACTION EVENT-REPORT  
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RDFSPLITCONF\_1|  
1390 TEXT=\_MESSAGE"\br/>END  
  
/\* Patterns for group "LocEstSent" \*/

1395 DEFINE "LocEstSent" 1  
MESSAGE "symmir <bcv\_groupid> CLI\_C\_ESTABLISH CLI\_C\_SUCCESS \"CLI call  
completed successfully.\""  
/\* -1---\*-----2-----\*-----3-----\*-----4-----\*-----5-----\*-----6-----\*-----7-----\*-----8----- \*/  
1400 TYPE ANY-SENDER OTHER  
PRIORITY 128  
TOKEN KEYWORD 3 "CLI\_C\_ESTABLISH"  
TOKEN FIXED 4 "CLI\_C\_SUCCESS"  
TOKEN FIXED 5 "\"CLI\""  
TOKEN FIXED 8 "SUCCESSFULLY."  
1405 CONSTRAINT \_HOSTID = "\syymm\_host"  
CONSTRAINT ?LocEstSent:\_TOKEN2  
SET bcv\_groupid = "\\_TOKEN2\  
ACTION EVENT-REPORT \  
  
1410 "TYPE=CO|CLASS=2200\_Host|INSTANCE=\RC\_In\_Progress:\_TOKEN2|COMMAND=RCL  
AST = Local\_BCV\_Establish\_In\_Progress\_\bcv\_groupid"  
ACTION EVENT-REPORT "TYPE=DE|CLASS=\\_TOKEN2\\_LL|INSTANCE=\\_TOKEN2"  
ACTION WAIT 1 SECONDS EVENT-REPORT  
"TYPE=AC|CLASS=\\_TOKEN2\\_LL|INSTANCE=\\_TOKEN2|Status=green|Message=\\_MES  
SAGE\"  
SET cmd = "symmir -g \\_TOKEN2\ verify"  
SET x = "\cmd\\_"  
/\* ... add an underscore character to the end of the command and place it on the queue: \*/  
CREATE Priority\_Queue:x  
1420 IF !Command\_Lock & !PAUSEIO\_Lock  
IF ?Flash\_Queue:\_ALL > 0  
SET cmd = "\Flash\_Queue:\_ALL {} -1\"  
IF \cmd[1,2]\ = " "  
SET cmd = "\cmd " "-1\"  
ENDIF  
SET x = "\cmd\\_"  
DESTROY Flash\_Queue:x  
SET Command\_Lock = 1  
ACTION COMMAND "\cmd\"  
1425  
1430 ELSEIF ?Immediate\_Queue:\_ALL > 0  
SET cmd = "\Immediate\_Queue:\_ALL {} -1\"  
IF \cmd[1,2]\ = " "  
SET cmd = "\cmd " "-1\"  
ENDIF  
1435 SET x = "\cmd\\_"  
DESTROY Immediate\_Queue:x  
SET Command\_Lock = 1  
ACTION COMMAND "\cmd\"  
ELSEIF ?Priority\_Queue:\_ALL > 0  
SET cmd = "\Priority\_Queue:\_ALL {} -1\"  
IF \cmd[1,2]\ = " "  
SET cmd = "\cmd " "-1\"

```
1445      ENDIF
          SET x = "\cmd\"
          DESTROY Priority_Queue:x
          SET Command_Lock = 1
          ACTION COMMAND "\cmd\
ELSEIF ?Routine_Queue:_ALL > 0
          SET cmd = "\Routine_Queue:_ALL {} -1\
1450      IF \cmd[1,2]\ = " "
              SET cmd = "\cmd " "-1\
          ENDIF
          SET x = "\cmd\"
          DESTROY Routine_Queue:x
1455      SET Command_Lock = 1
          ACTION COMMAND "\cmd\
          ENDIF
          ENDIF
          ACTION EVENT-REPORT
1460      "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocEstSent_1|T
EXT=\_MESSAGE"
END

1465      DEFINE "LocEstSent" 2
          MESSAGE "Not all devices in group '<bcv_groupid>' are in the 'Synchronized or Restored'
state."
/*      -1-*--2-*---3---*4-*--5--*-----6-----*7-*8-*9-*----10-----*11*---12----*--13-- */
          TYPE ANY-SENDER OTHER
          PRIORITY 128
1470      TOKEN KEYWORD 1 "NOT"
          TOKEN FIXED 2 "ALL"
          TOKEN FIXED 3 "DEVICES"
          TOKEN FIXED 10 "SYNCHRONIZED"
          TOKEN FIXED 12 "RESTORED"
1475      CONSTRAINT _HOSTID = "\symm_host\
          CONSTRAINT ?LocEstSent:_TOKEN6
          SET bcv_groupid = "\_TOKEN6 {} 1\
          ACTION EVENT-REPORT
"TYPE=DE|CLASS=\bcv_groupid\_LL|INSTANCE=\bcv_groupid\
1480      ACTION WAIT 1 SECONDS EVENT-REPORT \
"TYPE=AC|CLASS=\bcv_groupid\_LL|INSTANCE=\bcv_groupid\|Status=green|Message=\_
MESSAGE"
/* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
containing the command: */
1485      ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symmir -g
\bcv_groupid\ verify"
          ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocEstSent_2|T
EXT=\_MESSAGE"
```

END

1495     DEFINE "LocEstSent" 3  
        MESSAGE "None of the devices in group '<bcv\_groupid>' are in the 'Synchronized or  
        Restored' state."  
        /\* -1--\*2-\*3-\*4---\*5-\*6---\*-----7-----\*8-\*9-\*10-\*----11-----\*12\*---13---\*--14-- \*/  
        TYPE ANY-SENDER OTHER  
        PRIORITY 128  
        TOKEN KEYWORD 1 "NONE"  
1500     TOKEN FIXED 3 "THE"  
        TOKEN FIXED 4 "DEVICES"  
        TOKEN FIXED 6 "GROUP"  
        TOKEN FIXED 11 ""SYNCHRONIZED"  
        TOKEN FIXED 14 "STATE."  
1505     CONSTRAINT \_HOSTID = "\symm\_host"\  
        CONSTRAINT ?LocEstSent:\_TOKEN7  
        SET bcv\_groupid = "\\_TOKEN7 {} 1\"  
        ACTION EVENT-REPORT  
        "TYPE=DE|CLASS=\bcv\_groupid\\_LL|INSTANCE=\bcv\_groupid\"  
1510     ACTION WAIT 1 SECONDS EVENT-REPORT \  
  
        "TYPE=AC|CLASS=\bcv\_groupid\\_LL|INSTANCE=\bcv\_groupid\|Status=green|Message=\\_  
        MESSAGE"\  
1515     /\* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message  
        containing the command: \*/  
        ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symmir -g  
        \bcv\_groupid\ verify"  
        ACTION EVENT-REPORT  
        "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocEstSent\_3|T  
1520     EXT=\\_MESSAGE"\  
        END  
  
        /\* Patterns for group "LocalEstConf" \*/  
  
1525     DEFINE "LocalEstConf" 1  
        MESSAGE "All devices in group '<bcv\_groupid>' are in the 'Synchronized or Restored'  
        state."  
        /\* -1-\*---2---\*3-\*4---\*-----5-----\*6-\*7-\*8-\*-----9-----\*10\*---11---\*--12-- \*/  
        TYPE ANY-SENDER OTHER  
1530     PRIORITY 128  
        TOKEN KEYWORD 1 "ALL"  
        TOKEN FIXED 2 "DEVICES"  
        TOKEN FIXED 4 "GROUP"  
        TOKEN FIXED 9 ""SYNCHRONIZED"  
1535     TOKEN FIXED 11 "RESTORED"  
        CONSTRAINT \_HOSTID = "\symm\_host"\  
        CONSTRAINT ?LocEstSent:\_TOKEN5  
        DESTROY LocEstSent:\_TOKEN5

```
SET bcv_groupid = "\_TOKEN5 {} 1\"  
1540 ACTION EVENT-REPORT \  
  
"TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC  
LAST = Local_BCV_All_Synchronized_\bcv_groupid\  
ACTION EVENT-REPORT  
1545 "TYPE=AC|CLASS=\bcv_groupid\_M2|INSTANCE=\bcv_groupid\|Status=green|Message=\_  
MESSAGE"  
ACTION EVENT-REPORT  
"TYPE=AC|CLASS=\bcv_groupid\_LL|INSTANCE=\bcv_groupid\|Status=green|Message=\_  
MESSAGE"  
1550 ACTION EVENT-REPORT  
"TYPE=AC|CLASS=\bcv_groupid\_LBCV|INSTANCE=\bcv_groupid\|Status=green|Message  
=\_MESSAGE"  
DESTROY LocEstSent:bcv_groupid  
CREATE RemEstSent:_TOKEN5  
1555 CREATE RemEstSent:bcv_groupid  
/* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message  
containing the command: */  
ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symmir -g  
\bcv_groupid\ -bcv -rdf -noprompt establish"  
ACTION EVENT-REPORT \  
  
"TYPE=CO|CLASS=2200_Host|INSTANCE=\RC_In_Progress:bcv_groupid\|COMMAND=RC  
LAST = Remote_BCV_Establish_Sent_\bcv_groupid\  
ACTION EVENT-REPORT  
1565 "TYPE=DE|CLASS=\bcv_groupid\_RL|INSTANCE=\bcv_groupid\  
ACTION WAIT 1 SECONDS EVENT-REPORT \  
  
"TYPE=AC|CLASS=\bcv_groupid\_RL|INSTANCE=\bcv_groupid\|Status=green|Message=\_  
MESSAGE"  
1570 ACTION EVENT-REPORT  
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=LocalEstConf_1|  
TEXT=\_MESSAGE"  
END  
1575 /* Patterns for group "Rem_BCV_Est" */  
  
DEFINE "Rem_BCV_Est" 1  
MESSAGE "symmir <bcv_groupid> CLI_C_ESTABLISH CLI_C_SUCCESS \"CLI call  
completed successfully.\""  
1580 /* --1---*-----2-----*-----3-----*-----4-----*--5--*6--*---7---*-----8----- */  
TYPE ANY-SENDER OTHER  
PRIORITY 128  
TOKEN KEYWORD 3 "CLI_C_ESTABLISH"  
TOKEN FIXED 4 "CLI_C_SUCCESS"  
1585 TOKEN FIXED 5 "\"CLI"  
TOKEN FIXED 8 "SUCCESSFULLY.\""
```

CONSTRANT \_HOSTID = "\symm\_host"\  
CONSTRANT ?RemEstSent:\_TOKEN2  
SET bcv\_groupid = "\\_TOKEN2\"  
ACTION EVENT-REPORT \  
  
1590  
"TYPE=CO|CLASS=2200\_Host|INSTANCE=\RC\_In\_Progress:\_TOKEN2|COMMAND=RCL  
AST = Remote\_BCV\_Establish\_In\_Progress\_"\  
"\bcv\_groupid"\  
1595 ACTION EVENT-REPORT "TYPE=DE|CLASS=\\_TOKEN2\\_RL|INSTANCE=\\_TOKEN2\"  
ACTION WAIT 1 SECONDS EVENT-REPORT  
"TYPE=AC|CLASS=\\_TOKEN2\\_RL|INSTANCE=\\_TOKEN2|Status=green|Message=\\_MESSAGE\"  
  
1600 SET cmd = "symmir -g \\_TOKEN2\ -bcv -rdf verify"  
SET x = "\cmd\"  
/\* ... add an underscore character to the end of the command and place it on the queue: \*/  
CREATE Priority\_Queue:x  
IF !Command\_Lock & !PAUSEIO\_Lock  
1605 IF ?Flash\_Queue:\_ALL > 0  
SET cmd = "\Flash\_Queue:\_ALL {} -1\"  
IF \cmd[1,2]\ = " "  
SET cmd = "\cmd \" -1\"  
ENDIF  
SET x = "\cmd\"  
DESTROY Flash\_Queue:x  
SET Command\_Lock = 1  
ACTION COMMAND "\cmd\"  
1610 ELSEIF ?Immediate\_Queue:\_ALL > 0  
SET cmd = "\Immediate\_Queue:\_ALL {} -1\"  
IF \cmd[1,2]\ = " "  
SET cmd = "\cmd \" -1\"  
ENDIF  
SET x = "\cmd\"  
DESTROY Immediate\_Queue:x  
SET Command\_Lock = 1  
ACTION COMMAND "\cmd\"  
1615 ELSEIF ?Priority\_Queue:\_ALL > 0  
SET cmd = "\Priority\_Queue:\_ALL {} -1\"  
IF \cmd[1,2]\ = " "  
SET cmd = "\cmd \" -1\"  
ENDIF  
SET x = "\cmd\"  
DESTROY Priority\_Queue:x  
SET Command\_Lock = 1  
ACTION COMMAND "\cmd\"  
1620 ELSEIF ?Routine\_Queue:\_ALL > 0  
SET cmd = "\Routine\_Queue:\_ALL {} -1\"  
IF \cmd[1,2]\ = " "  
SET cmd = "\cmd \" -1\"  
1625  
ENDIF  
SET x = "\cmd\"  
DESTROY Routine\_Queue:x  
SET Command\_Lock = 1  
ACTION COMMAND "\cmd\"  
1630 ELSEIF ?Routine\_Queue:\_ALL > 0  
SET cmd = "\Routine\_Queue:\_ALL {} -1\"  
IF \cmd[1,2]\ = " "  
SET cmd = "\cmd \" -1\"

```
1635      ENDIF
          SET x = "\cmd\"
          DESTROY Routine_Queue:x
          SET Command_Lock = 1
          ACTION COMMAND "\cmd\
1640      ENDIF
      ENDIF
      ACTION EVENT-REPORT
      "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=Rem_BCV_Est_
      1|TEXT=\_MESSAGE\""
1645      END

      DEFINE "Rem_BCV_Est" 2
      MESSAGE \
          "symmir <bcv_groupid> CLI_C_VERIFY CLI_C_NONE_SYNCHRONIZED \"NONE of the
1650 mirrored pairs are in the 'Synchronized' \" \
          /* --1---*---2---*---3---*---4-----*--5---*6---*7---*8---*--9---*10---*11---*12---*-
          13-----*/ \
          "state.\""
          /* ---14--- */
1655      TYPE ANY-SENDER OTHER
      PRIORITY 128
      TOKEN KEYWORD 3 "CLI_C_VERIFY"
      TOKEN FIXED 4 "CLI_C_NONE_SYNCHRONIZED"
      TOKEN FIXED 5 "\"NONE"
1660      TOKEN FIXED 13 "SYNCHRONIZED"
      CONSTRAINT _HOSTID = "\symm_host\
      CONSTRAINT ?RemEstSent:_TOKEN2
      SET bcv_groupid = "\_TOKEN2\
      ACTION EVENT-REPORT "TYPE=DE|CLASS=\_TOKEN2\_RL|INSTANCE=\_TOKEN2\
      ACTION WAIT 1 SECONDS EVENT-REPORT
      "TYPE=AC|CLASS=\_TOKEN2\_RL|INSTANCE=\_TOKEN2\|Status=green|Message=\_MES
      SAGE\""
      /* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
      containing the command: */
1670      ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symmir -g
      \_TOKEN2\ -bcv -rdf verify"
      ACTION EVENT-REPORT
      "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=Rem_BCV_Est_
      2|TEXT=\_MESSAGE\""
1675      END

      DEFINE "Rem_BCV_Est" 3
      MESSAGE \
          "symmir <bcv_groupid> CLI_C_VERIFY CLI_C_NOT_ALL_SYNCHRONIZED \"NOT all of
1680 the mirrored pairs are in the 'Synchronized'\" \
          /* --1---*---2---*---3---*---4-----*--5---*6---*7---*8---*--9---*10---*11---*12---*13---*-
          14----- */ \
```

```
" state.\"
/* ---15--- */
1685 TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN KEYWORD 3 "CLI_C_VERIFY"
TOKEN FIXED 4 "CLI_C_NOT_ALL_SYNCHRONIZED"
TOKEN FIXED 14 "SYNCHRONIZED"
1690 CONSTRAINT _HOSTID = "\symm_host\
CONSTRAINT ?RemEstSent:_TOKEN2
SET bcv_groupid = "\_TOKEN2\
ACTION EVENT-REPORT "TYPE=DE|CLASS=\_TOKEN2\RL|INSTANCE=\_TOKEN2\
ACTION WAIT 1 SECONDS EVENT-REPORT
1695 "TYPE=AC|CLASS=\_TOKEN2\RL|INSTANCE=\_TOKEN2|Status=green|Message=\_MESSAGE\
/* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message
containing the command: */
ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symmir -g
\_TOKEN2\bcv -rdf verify"
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=Rem_BCV_Est_
3|TEXT=\_MESSAGE\
END
1700
1705
1710
1715
1720
1725
1730
```

DEFINE "Rem\_BCV\_Est" 4
MESSAGE "All devices in group '<bcv\_groupid>' are in the 'Synchronized or Restored' state."
/\* -1---2---3---4---5---6---7---8---9---10---11---12-- \*/
TYPE ANY-SENDER OTHER
PRIORITY 128
TOKEN KEYWORD 1 "ALL"
TOKEN FIXED 2 "DEVICES"
TOKEN FIXED 9 "SYNCHRONIZED"
TOKEN FIXED 10 "OR"
TOKEN FIXED 11 "RESTORED"
CONSTRAINT \_HOSTID = "\symm\_host\
CONSTRAINT ?RemEstSent:\_TOKEN5
DESTROY RemEstSent:\_TOKEN5
SET bcv\_groupid = "\\_TOKEN5 \{1\}"
ACTION EVENT-REPORT \
"TYPE=CO|CLASS=2200\_Host|INSTANCE=\RC\_In\_Progress:bcv\_groupid\|COMMAND=RC
LAST = Remote\_BCV\_All\_Synchronized\_\bcv\_groupid\
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv\_groupid\RL|INSTANCE=\bcv\_groupid\|Status=green|Message=\\_MESSAGE\
ACTION EVENT-REPORT
"TYPE=AC|CLASS=\bcv\_groupid\RL|INSTANCE=\bcv\_groupid\|Status=green|Message=\\_MESSAGE\"

ACTION EVENT-REPORT  
"TYPE=AC|CLASS=\bcv\_groupid\\_RBCV|INSTANCE=\bcv\_groupid\Status=green|Message=\\_MESSAGE"\br/>DESTROY RemEstSent:\bcv\_groupid  
1735 CREATE RemSplitSent:\bcv\_groupid  
CREATE RemSplitSent:\_TOKEN5  
/\* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message  
containing the command: \*/  
ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symmir -g  
1740 \bcv\_groupid\ -bcv -rdf -noprompt split"  
ACTION EVENT-REPORT \

"TYPE=CO|CLASS=2200\_Host|INSTANCE=\RC\_In\_Progress:\bcv\_groupid\|COMMAND=RC  
LAST = Remote\_BCV\_Split\_Sent\_\bcv\_groupid\"  
1745 ACTION EVENT-REPORT  
"TYPE=DE|CLASS=\bcv\_groupid\\_RL|INSTANCE=\bcv\_groupid\"  
ACTION WAIT 1 SECONDS EVENT-REPORT \

"TYPE=AC|CLASS=\bcv\_groupid\\_RL|INSTANCE=\bcv\_groupid\|Status=yellow|Message=\\_MESSAGE"\br/>ACTION EVENT-REPORT  
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=Rem\_BCV\_Est\_4|TEXT=\\_MESSAGE"\br/>END  
1755 /\* Patterns for group "RemSplitSent" \*/  
DEFINE "RemSplitSent" 1  
MESSAGE "symmir <\bcv\_groupid> CLI\_C\_SPLIT CLI\_C\_SUCCESS \"CLI call completed  
1760 successfully.\""  
/\* --1---\*-----2-----\*-----3-----\*-----4-----\*-----5-----\*-----6-----\*-----7-----\*-----8----- \*/  
TYPE ANY-SENDER OTHER  
PRIORITY 128  
TOKEN KEYWORD 3 "CLI\_C\_SPLIT"  
1765 TOKEN FIXED 4 "CLI\_C\_SUCCESS"  
TOKEN FIXED 5 "\"CLI\""  
TOKEN FIXED 8 "SUCCESSFULLY.\""  
CONSTRAINT \_HOSTID = "\symm\_host\"  
CONSTRAINT ?RemSplitSent:\_TOKEN2  
1770 SET bcv\_groupid = "\\_TOKEN2\"  
ACTION EVENT-REPORT \

"TYPE=CO|CLASS=2200\_Host|INSTANCE=\RC\_In\_Progress:\bcv\_groupid\|COMMAND=RC  
LAST = Remote\_BCV\_Split\_In\_Progress\_\"  
1775 "\bcv\_groupid\"  
ACTION EVENT-REPORT "TYPE=DE|CLASS=\\_TOKEN2\\_RL|INSTANCE=\\_TOKEN2\"

```
ACTION WAIT 1 SECONDS EVENT-REPORT
"TYPE=AC|CLASS=\_TOKEN2\_RL|INSTANCE=\_TOKEN2|Status=yellow|Message=\_ME
SSAGE\"
```

1780   SET cmd = "symmir -g \\_TOKEN2\ -bcv -rdf -split verify"
      SET x = "\cmd\\_\"
      /\* ... add an underscore character to the end of the command and place it on the queue: \*/
      CREATE Priority\_Queue:x
      IF !Command\_Lock & !PAUSEIO\_Lock
1785    IF ?Flash\_Queue:\_ALL > 0
        SET cmd = "\Flash\_Queue:\_ALL \\_\\_ -1\""
        IF \cmd[1,2]\ = " "
          SET cmd = "\cmd \" -1\""
        ENDIF
      SET x = "\cmd\\_\"
      DESTROY Flash\_Queue:x
      SET Command\_Lock = 1
      ACTION COMMAND "\cmd\\"

1790   ELSEIF ?Immediate\_Queue:\_ALL > 0
        SET cmd = "\Immediate\_Queue:\_ALL \\_\\_ -1\""
        IF \cmd[1,2]\ = " "
          SET cmd = "\cmd \" -1\""
        ENDIF
      SET x = "\cmd\\_\"
      DESTROY Immediate\_Queue:x
      SET Command\_Lock = 1
      ACTION COMMAND "\cmd\\"

1795   ELSEIF ?Priority\_Queue:\_ALL > 0
        SET cmd = "\Priority\_Queue:\_ALL \\_\\_ -1\""
        IF \cmd[1,2]\ = " "
          SET cmd = "\cmd \" -1\""
        ENDIF
      SET x = "\cmd\\_\"
      DESTROY Priority\_Queue:x
      SET Command\_Lock = 1
      ACTION COMMAND "\cmd\\"

1800   ELSEIF ?Routine\_Queue:\_ALL > 0
        SET cmd = "\Routine\_Queue:\_ALL \\_\\_ -1\""
        IF \cmd[1,2]\ = " "
          SET cmd = "\cmd \" -1\""
        ENDIF
      SET x = "\cmd\\_\"
      DESTROY Routine\_Queue:x
      SET Command\_Lock = 1
      ACTION COMMAND "\cmd\\"

1805   ENDIF
      SET x = "\cmd\\_\"
      DESTROY Priority\_Queue:x
      SET Command\_Lock = 1
      ACTION COMMAND "\cmd\\"

1810   ENDIF
      SET x = "\cmd\\_\"
      DESTROY Routine\_Queue:x
      SET Command\_Lock = 1
      ACTION COMMAND "\cmd\\"

1815   ENDIF
      SET x = "\cmd\\_\"
      DESTROY Routine\_Queue:x
      SET Command\_Lock = 1
      ACTION COMMAND "\cmd\\"

1820   ENDIF
      ENDIF
      ENDIF

1825 ACTION EVENT-REPORT  
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RemSplitSent\_1|  
TEXT=\\_MESSAGE\"  
END

1830 DEFINE "RemSplitSent" 2  
MESSAGE "symmir <bcv\_groupid> CLI\_C\_VERIFY CLI\_C\_NONE\_SPLIT \"NONE of the  
mirrored pairs are in the 'Split' state.\""  
/\* --1---\*---2-----\*---3-----\*-----4-----\*--5--\*6-\*7-\*---8---\*--9--\*10-\*11\*12-\*--13---  
\*---14--- \*/  
TYPE ANY-SENDER OTHER  
PRIORITY 128

1835 TOKEN KEYWORD 3 "CLI\_C\_VERIFY"  
TOKEN FIXED 4 "CLI\_C\_NONE\_SPLIT"  
TOKEN FIXED 5 "\"NONE"  
TOKEN FIXED 13 "'SPLIT'"  
CONSTRAINT \_HOSTID = "\symm\_host\"

1840 CONSTRAINT ?RemSplitSent:\_TOKEN2  
SET bcv\_groupid = "\\_TOKEN2\"  
ACTION EVENT-REPORT "TYPE=DE|CLASS=\\_TOKEN2\\_RL|INSTANCE=\\_TOKEN2\"  
ACTION WAIT 1 SECONDS EVENT-REPORT  
"TYPE=AC|CLASS=\\_TOKEN2\\_RL|INSTANCE=\\_TOKEN2|Status=yellow|Message=\\_ME  
SSAGE\"  
/\* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message  
containing the command: \*/  
ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symmir -g  
\\_TOKEN2\ -bcv -rdf -split verify"

1850 ACTION EVENT-REPORT  
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RemSplitSent\_2|  
TEXT=\\_MESSAGE\"  
END

1855 DEFINE "RemSplitSent" 3  
MESSAGE "symrdf <bcv\_groupid> CLI\_C\_VERIFY CLI\_C\_NOT\_ALL\_SPLIT \"NOT all of  
the mirrored pairs are in the 'Split' state.\""  
/\* --1---\*---2-----\*---3-----\*-----4-----\*--5--\*6-\*7-\*---8---\*--9--\*10--\*11\*12\*13-\*--  
14---\*---15--- \*/

1860 TYPE ANY-SENDER OTHER  
PRIORITY 128  
TOKEN KEYWORD 3 "CLI\_C\_VERIFY"  
TOKEN FIXED 4 "CLI\_C\_NOT\_ALL\_SPLIT"  
TOKEN FIXED 5 "\"NOT"  
1865 TOKEN FIXED 9 "MIRRORED"  
TOKEN FIXED 14 "'SPLIT'"  
CONSTRAINT \_HOSTID = "\symm\_host\"  
CONSTRAINT ?RemSplitSent:\_TOKEN2  
SET bcv\_groupid = "\\_TOKEN2\"

1870 ACTION EVENT-REPORT "TYPE=DE|CLASS=\\_TOKEN2\\_RL|INSTANCE=\\_TOKEN2\"

```
ACTION WAIT 1 SECONDS EVENT-REPORT
"TYPE=AC|CLASS=\_TOKEN2\_RL|INSTANCE=\_TOKEN2\|Status=yellow|Message=\_ME
SSAGE\"
```

1875 /\* For loops (i.e. commands that use the WAIT clause), use WAIT to send a message  
containing the command: \*/  
ACTION WAIT 2 SECONDS COMMAND "PROCESS PRIORITY COMMAND: symmir -g  
\\_TOKEN2\ -bcv -rdf -split verify"  
ACTION EVENT-REPORT  
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RemSplitSent\_3|  
1880 TEXT=\\_MESSAGE\"  
END

/\* Patterns for group "RemSplitDone" \*/

1885 DEFINE "RemSplitDone" 1  
MESSAGE "All devices in group '<bcv\_groupid>' are in the 'Split' state."  
/\* -1-\*--2---\*3-\*--4--\*-----5-----\*--6-\*7-\*8-\*---9---\*--10-- \*/  
TYPE ANY-SENDER OTHER  
PRIORITY 128  
1890 TOKEN KEYWORD 1 "ALL"  
TOKEN FIXED 2 "DEVICES"  
TOKEN FIXED 4 "GROUP"  
TOKEN FIXED 8 "THE"  
TOKEN FIXED 9 "SPLIT"  
1895 CONSTRAINT \_HOSTID = "\symm\_host"  
CONSTRAINT ?RemSplitSent:\_TOKEN5  
DESTROY RemSplitSent:\_TOKEN5  
SET bcv\_groupid = "\\_TOKEN5 {} 1\"  
ACTION EVENT-REPORT \

1900 "TYPE=CO|CLASS=2200\_Host|INSTANCE=\RC\_In\_Progress:bcv\_groupid\|COMMAND=RC
LAST = Remote\_BCV\_All\_Split\_\bcv\_groupid\"  
ACTION EVENT-REPORT  
"TYPE=AC|CLASS=\bcv\_groupid\\_R2|INSTANCE=\bcv\_groupid\|Status=yellow|Message=\\_
MESSAGE\"  
1905 ACTION EVENT-REPORT  
"TYPE=AC|CLASS=\bcv\_groupid\\_RL|INSTANCE=\bcv\_groupid\|Status=yellow|Message=\\_
MESSAGE\"  
ACTION EVENT-REPORT  
"TYPE=AC|CLASS=\bcv\_groupid\\_RBCV|INSTANCE=\bcv\_groupid\|Status=yellow|Message=\\_
MESSAGE\"  
1910 DESTROY RemSplitSent:bcv\_groupid  
ACTION EVENT-REPORT \

1915 "TYPE=CO|CLASS=2200\_Host|INSTANCE=\RC\_In\_Progress:bcv\_groupid\|COMMAND=RE
MOTE COPY COMPLETE \bcv\_groupid\"  
ACTION WAIT 2 SECONDS COMMAND "CLEAN UP \bcv\_groupid\"  
ACTION EVENT-REPORT \

1920 "TYPE=AL|CLASS=Host|INSTANCE=\RC\_In\_Progress:bcv\_groupid|APPL=RemoteCopy|S  
EV=Informational|ALARMID=RC\_Complete|" \  
    "ALARMQUAL=\bcv\_groupid.\RC\_In\_Progress:bcv\_groupid.\\_DT {}" \  
    2\HELP=RemoteCopy/RC\_Complete|TEXT=Remote Copy complete " \  
        "for disk group \bcv\_groupid\ on node \RC\_In\_Progress:bcv\_groupid\"  
1925 DESTROY RC\_In\_Progress:bcv\_groupid  
ACTION EVENT-REPORT  
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RemSplitDone\_1  
|TEXT=\\_MESSAGE\"  
END  
1930 /\* Patterns for group "RC\_Comp" \*/  
  
1935 DEFINE "RC\_Comp" 1  
MESSAGE "\\*30\REMOTE COPY COMPLETE\\*1\ <diskgroup>"  
/\* ----1----\*2--\*---3-----\*---4---- \*/  
TYPE ANY-SENDER OTHER  
PRIORITY 128  
TOKEN KEYWORD 2 "COPY"  
TOKEN MASKED 3 "COMPLETE\\*1\"  
TOKEN MASKED 1 "\\*30\REMOTE"  
CONSTRAINT \_HOSTID = \symm\_host\  
ACTION EVENT-REPORT  
"TYPE=CO|CLASS=2200\_Host|INSTANCE=\RC\_In\_Progress:\_TOKEN4|COMMAND=REM  
OTE COPY COMPLETE \\_TOKEN4\"  
ACTION COMMAND "CLEAN UP \\_NEGTOKEN1\"  
ACTION EVENT-REPORT \  
  
1945 /\* Patterns for group "CleanUp" \*/  
  
1950 "TYPE=AL|CLASS=Host|INSTANCE=\RC\_In\_Progress:\_TOKEN4\|APPL=RemoteCopy|SEV  
=Informational|ALARMID=RC\_Complete|" \  
    "ALARMQUAL=\\_TOKEN4.\RC\_In\_Progress:\_TOKEN4.\\_DT {}" \  
    2\HELP=RemoteCopy/RC\_Complete|TEXT=Remote Copy complete for disk " \  
        "group \\_TOKEN4\ on node \RC\_In\_Progress:\_TOKEN4\"  
DESTROY RC\_In\_Progress:\_TOKEN4  
ACTION EVENT-REPORT  
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=RC\_Comp\_1|TE  
XT=\\_MESSAGE\"  
END  
  
1960 /\* Patterns for group "CleanUp" \*/  
  
1965 DEFINE "CleanUp" 1  
MESSAGE "\\*30\CLEAN UP <diskgroup> [FAIL]"  
/\* ----1----\*2--\*---3-----\*---4---- \*/  
TYPE ANY-SENDER OTHER VARIABLE-LENGTH  
PRIORITY 128  
TOKEN KEYWORD 2 "UP"

TOKEN MASKED 1 "\\*30\CLEAN"  
CONSTRAINT \_HOSTID = \symm\_host  
SET x = "\\_TOKEN3"\n1970 SET y = "\\_TOKEN3\"  
DESTROY RC\_In\_Progress:x  
DESTROY RemVerifySplit:x  
DESTROY LocVerifyEst:x  
DESTROY LocSplitSent:x  
1975 DESTROY RDF\_In\_Progress:x  
DESTROY RDFSPLITSENT:x  
DESTROY LocEstSent:x  
DESTROY RemEstSent:x  
DESTROY RemSplitSent:x  
1980 DESTROY RC\_In\_Progress:y  
DESTROY RemVerifySplit:y  
DESTROY LocVerifyEst:y  
DESTROY LocSplitSent:y  
DESTROY RDF\_In\_Progress:y  
DESTROY RDFSPLITSENT:y  
DESTROY LocEstSent:y  
DESTROY RemEstSent:y  
DESTROY RemSplitSent:y  
ACTION COMMAND "CHECK VARS"  
1985 IF \_TOKENS = 3  
    ACTION WAIT 30 SECONDS EVENT-REPORT  
    "TYPE=DE|CLASS=\\_TOKEN3\\_M2|INSTANCE=\\_TOKEN3\"  
    ACTION WAIT 30 SECONDS EVENT-REPORT  
    "TYPE=DE|CLASS=\\_TOKEN3\\_LL|INSTANCE=\\_TOKEN3\"  
    ACTION WAIT 30 SECONDS EVENT-REPORT  
    "TYPE=DE|CLASS=\\_TOKEN3\\_LBCV|INSTANCE=\\_TOKEN3\"  
    ACTION WAIT 30 SECONDS EVENT-REPORT  
    "TYPE=DE|CLASS=\\_TOKEN3\\_RDFL|INSTANCE=\\_TOKEN3\"  
    ACTION WAIT 30 SECONDS EVENT-REPORT  
2000 "TYPE=DE|CLASS=\\_TOKEN3\\_R2|INSTANCE=\\_TOKEN3\"  
    ACTION WAIT 30 SECONDS EVENT-REPORT  
    "TYPE=DE|CLASS=\\_TOKEN3\\_RL|INSTANCE=\\_TOKEN3\"  
    ACTION WAIT 30 SECONDS EVENT-REPORT  
    "TYPE=DE|CLASS=\\_TOKEN3\\_RBCV|INSTANCE=\\_TOKEN3\"  
2005 ENDIF  
    ACTION EVENT-REPORT  
    "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=CleanUp\_1|TEX  
    T=\\_MESSAGE\"  
END  
2010 DEFINE "CleanUp" 2  
MESSAGE "RESET LOCK\\*1\ <lock\_name>|ALL"  
TYPE ANY-SENDER OTHER  
PRIORITY 128

2015 TOKEN KEYWORD 1 "RESET"  
TOKEN MASKED 2 "LOCK\\*1"  
CONSTRAINT \_HOSTID = \symm\_host\  
IF \_TOKEN3 = "ALL"  
    RESET Command\_Lock  
2020   RESET PAUSEIO\_Lock  
ELSEIF \_TOKEN3 = "COMMAND"  
    RESET Command\_Lock  
ELSEIF \_TOKEN3 = "PAUSEIO"  
    RESET PAUSEIO\_Lock  
2025 ENDIF  
ACTION EVENT-REPORT  
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=CleanUp\_2|TEX  
T=\\_MESSAGE\"  
END  
2030 /\* Patterns for group "CheckVars" \*/  
  
2035 DEFINE "CheckVars" 1  
MESSAGE "\\*30\CHECK VARS"  
/\* ----1----\*-2-- \*/  
TYPE ANY-SENDER OTHER  
PRIORITY 128  
TOKEN KEYWORD 2 "VARS"  
TOKEN MASKED 1 "\\*30\CHECK"  
CONSTRAINT \_HOSTID = \symm\_host\  
2040 ACTION EVENT-REPORT \  
  
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\\_DBNAME\|TEX  
T=Var bcv\_groupid: +\bcv\_groupid+"  
2045 ACTION EVENT-REPORT \  
  
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\\_DBNAME\|TEX  
T=Var cmd: +\cmd+"  
ACTION EVENT-REPORT \  
2050 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\\_DBNAME\|TEX  
T=Var Command\_Lock: "\  
    +\Command\_Lock+"  
ACTION EVENT-REPORT \  
2055 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\\_DBNAME\|TEX  
T=Var PAUSEIO\_Lock: "\  
    +\PAUSEIO\_Lock+"  
ACTION EVENT-REPORT \  
2060 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\\_DBNAME\|TEX  
T=Group Flash\_Queue: "\

2065            "+\Flash\_Queue:\_ALL\+"  
          ACTION EVENT-REPORT \  
  
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\\_DBNAME\|TEX  
T=Group Immediate\_Queue: " \  
  "+\Immediate\_Queue:\_ALL\+"  
          ACTION EVENT-REPORT \  
  
2070            "+\Priority\_Queue:\_ALL\+"  
T=Group Priority\_Queue: " \  
  "+\Routine\_Queue:\_ALL\+"  
          ACTION EVENT-REPORT \  
  
2075            "+\Routine\_Queue:\_ALL\+"  
T=Group Routine\_Queue: " \  
  "+\GroupNode:\_ALL\+"  
          ACTION EVENT-REPORT \  
  
2080            "+\GroupNode:\_ALL\+"  
T=Var IX\_pass:    +\IX\_pass\+"  
          ACTION EVENT-REPORT \  
  
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\\_DBNAME\|TEX  
T=Var IX\_stop\_diskio: +\IX\_stop\_diskio\+"  
          ACTION EVENT-REPORT \  
  
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\\_DBNAME\|TEX  
T=Var LogName:    +\LogName\+"  
          ACTION EVENT-REPORT \  
  
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\\_DBNAME\|TEX  
T=Var node:       +\node\+"  
          ACTION EVENT-REPORT \  
  
2100            "+\symm\_host\+"  
T=Var symm\_host:    +\symm\_host\+"  
          ACTION EVENT-REPORT \  
  
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\\_DBNAME\|TEX  
T=Group RemVerifySplit: " \  
  "+\RemVerifySplit:\_ALL\+"  
          ACTION EVENT-REPORT \

```
2110 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\_DBNAME\|TEX
T=Group LocVerifyEst: " \
  "+\LocVerifyEst:_ALL\+"
ACTION EVENT-REPORT \

2115 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\_DBNAME\|TEX
T=Group LocSplitSent: " \
  "+\LocSplitSent:_ALL\+"
ACTION EVENT-REPORT \

2120 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\_DBNAME\|TEX
T=Group RDF_In_Progress: " \
  "+\RDF_In_Progress:_ALL\+"
ACTION EVENT-REPORT \

2125 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\_DBNAME\|TEX
T=Group RDFSplitSent: " \
  "+\RDFSplitSent:_ALL\+"
ACTION EVENT-REPORT \

2130 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\_DBNAME\|TEX
T=Group LocEstSent: " \
  "+\LocEstSent:_ALL\+"
ACTION EVENT-REPORT \

2135 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\_DBNAME\|TEX
T=Group RemEstSent: " \
  "+\RemEstSent:_ALL\+"
ACTION EVENT-REPORT \

2140 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\_DBNAME\|TEX
T=Group RemSplitSent: " \
  "+\RemSplitSent:_ALL\+"
ACTION EVENT-REPORT \

2145 "TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=\_DBNAME\|TEX
T=Group RC_In_Progress: " \
  "+\RC_In_Progress:_ALL\+"
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=CheckVars_1|TE
2150 XT=\_MESSAGE"
END

/* Patterns for group "login" */

2155 DEFINE "login" 1
MESSAGE "login: (other stuff maybe)"
```

```
/* --1---*--2---*--3---*--4--- */
TYPE ANY-SENDER OTHER VARIABLE-LENGTH
PRIORITY 128
2160 TOKEN KEYWORD 1 "LOGIN:"
CONSTRAINT _HOSTID = "\symm_host"
ACTION COMMAND "login"
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=login_1|TEXT=\_
2165 MESSAGE\
END

DEFINE "login" 2
MESSAGE "password:"
2170 /* ----1---- */
TYPE ANY-SENDER OTHER
PRIORITY 127
TOKEN KEYWORD 1 "PASSWORD:"
CONSTRAINT _HOSTID = "\symm_host"
ACTION PASSWORD "password"
ACTION COMMAND WAIT 1 SECONDS "prompt $N:\$G\$_"
ACTION EVENT-REPORT
"TYPE=LG|CLASS=Host|INSTANCE=\LogName\|APPL=SPO|APPLQUAL=login_2|TEXT=\_
2175 MESSAGE\
END
2180
```